



Western Coal Services

Independent Environmental Audit 2021

Prepared for:

Springvale Coal Pty Ltd
February 2022

PREPARED BY:



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BASIS OF REPORT

This report has been prepared by Integrated Environmental Management Australia (IEMA) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement the Client. Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of the Client. No warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from IEMA.

IEMA disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.

DOCUMENT CONTROL

Reference	Date	Prepared	Authorised
CCC04-001	7 February 2021	Jessica Coffey	Chris Jones

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EXECUTIVE SUMMARY

This Independent Environmental Audit (IEA) has been prepared by Integrated Environmental Management Australia (IEMA) for Centennial's Western Coal Services site. Western Coal Services operates under SSD-5579 and includes the following:

- The Springvale Coal Services Site (SCSS);
- Angus Place Colliery to Wallerawang Haul Road;
- Angus Place Colliery to Mount Piper Power Station Haul Road;
- Kerosene Vale Stockpile;
- An Overland Conveyor System from Springvale Colliery to SCSS; and
- A coal handling processing plant (CHPP) and stockpiling area.

This IEA has been prepared to satisfy the requirements of:

- Schedule 5 Condition 9 of SSD-5579; and
- *Independent Environmental Audit Guidelines* (DPIE 2020).

The IEA period is 2 November 2018 (the day after the previous audit ended) to 1 November 2021 (three years from the last audit). The NSW Department of Planning, Industry and Environment (DPIE) endorsed the following IEA team in the letter dated 14 October 2021:

- Chris Jones (Principal, IEMA) as Lead Auditor;
- Jessica Coffey (Associate, IEMA) as Auditor; and
- Clayton Richards (Rehabilitation Specialist).

Jessica Coffey and Chris Jones visited the site on 7-9 December 2021 to complete a site inspection and verify field components of the audit. This was slightly delayed due to COVID-19.

The audit reviewed the consent and associated Statement of Commitments, Environment Protection Licences, Mining Leases, Environmental Management Plans, and the status of previous IEA recommendations. A summary of the audit outcomes is provided in **Table A** below.

Table A – Audit Compliance Summary

Compliance Status	SSD 5579	Statement of Commitments	EPL 21229	EPL 467	Mining Leases (all)	Total
Compliant	48	6	41	11	88	194
Not triggered	26	26	14	2	146	214
Admin Non-Compliance	2	0	0	0	0	2
Low Non-Compliance	7	2	0	0	0	9
Medium Non-Compliance	0	0	0	0	0	0
High Non-Compliance	0	0	0	0	0	0
Not Verified	0	0	0	0	0	0
Observation	0	0	0	0	0	0
Note	17	0	18	2	10	47
Total	100	34	73	15	244	466

1 INTRODUCTION

1.1 Background

Springvale Coal Pty Ltd, a subsidiary of Centennial Coal Company Pty Ltd, operates Western Coal Services, located approximately 15 kilometres northwest of the city of Lithgow, New South Wales (NSW) (refer **Figure 1**). The site is located in the Western Coalfields, approximately 125 kilometres west of Sydney. Western Coal Services is managed under Springvale Coal Services Operations (SCSO) along with Lidsdale Siding.

Operations at Western Coal Services involve transporting and processing coal produced from underground mining at Springvale Mine (however the site is also approved to receive coal from Angus Place and other Centennial Western Region collieries). This product is stockpiled at Western Coal Services for processing in the Coal Handling Preparation Plant (CHPP) or for delivery to Mt Piper Power Station. Alternatively, coal processed at the CHPP is delivered to Lidsdale Siding via the overland conveyor for despatch by train to both Port Kembla and Newcastle to export markets by ship.

The components of Western Coal Services include:

- The Springvale Coal Services Site (SCSS);
- Angus Place Colliery to Wallerawang Haul Road;
- Angus Place Colliery to Mount Piper Power Station Haul Road;
- Kerosene Vale Stockpile;
- An Overland Conveyor System from Springvale Colliery to SCSS; and
- A coal handling processing plant (CHPP) and stockpiling area.

A site overview is provided in **Figure 2**.

1.2 IEA Scope

HEMA was engaged to prepare this Independent Environmental Audit (IEA) for Western Coal Services to address the requirements of Schedule 5 Condition 9 of SSD-5579. The IEA period is the three year period from 2 November 2018 (the day after the previous audit ended) to 1 November 2021. The Department of Planning, Industry and Environment (DPIE) endorsed the following IEA team in the letter dated 14 October 2021 (refer **Appendix E**):

- Chris Jones (Principal, HEMA) as Lead Auditor;
- Jessica Coffey (Associate, HEMA) as Auditor; and
- Clayton Richards (Rehabilitation Specialist).

It should be noted that a rehabilitation specialist was not requested by DPIE, however it was proposed to be added to avoid any conflict, as the auditor (Chris Jones) had been involved in the preparation of the Western Coal Services Mining Operations Plan (MOP) during the IEA period. This was nominated in the Audit declaration form.

The IEA assessed the following approvals and documentation:

- SSD-5579 (including associated Management Plans);
- SSD-5579 Statement of Commitments;
- Environment Protection Licence (EPL) 21229 (Western Coal Services) and EPL 467 (Kerosene Vale);
- Applicable mining leases (ML 204, ML 564, ML 1319, ML1352, ML 1448, CCL 733, CL 394, CL 361, and PLL 133); and
- Status of previous IEA recommendations.

1.3 Key Site Contacts

The main Centennial contacts for this IEA are provided in **Table 1**. Other Centennial personnel who contributed to the IEA are included in **Section 1.4**.

Table 1 – Key Site Contacts

Name and Position	Contact Details
Veronica Howat Centennial Assurance Specialist	veronica.howat@centennialcoal.com.au
Natalie Gardiner Environment and Community Coordinator - Springvale	Natalie.Gardiner@centennialcoal.com.au
William Olson Centennial Environment & Community Graduate	William.A.Olson@centennialcoal.com.au

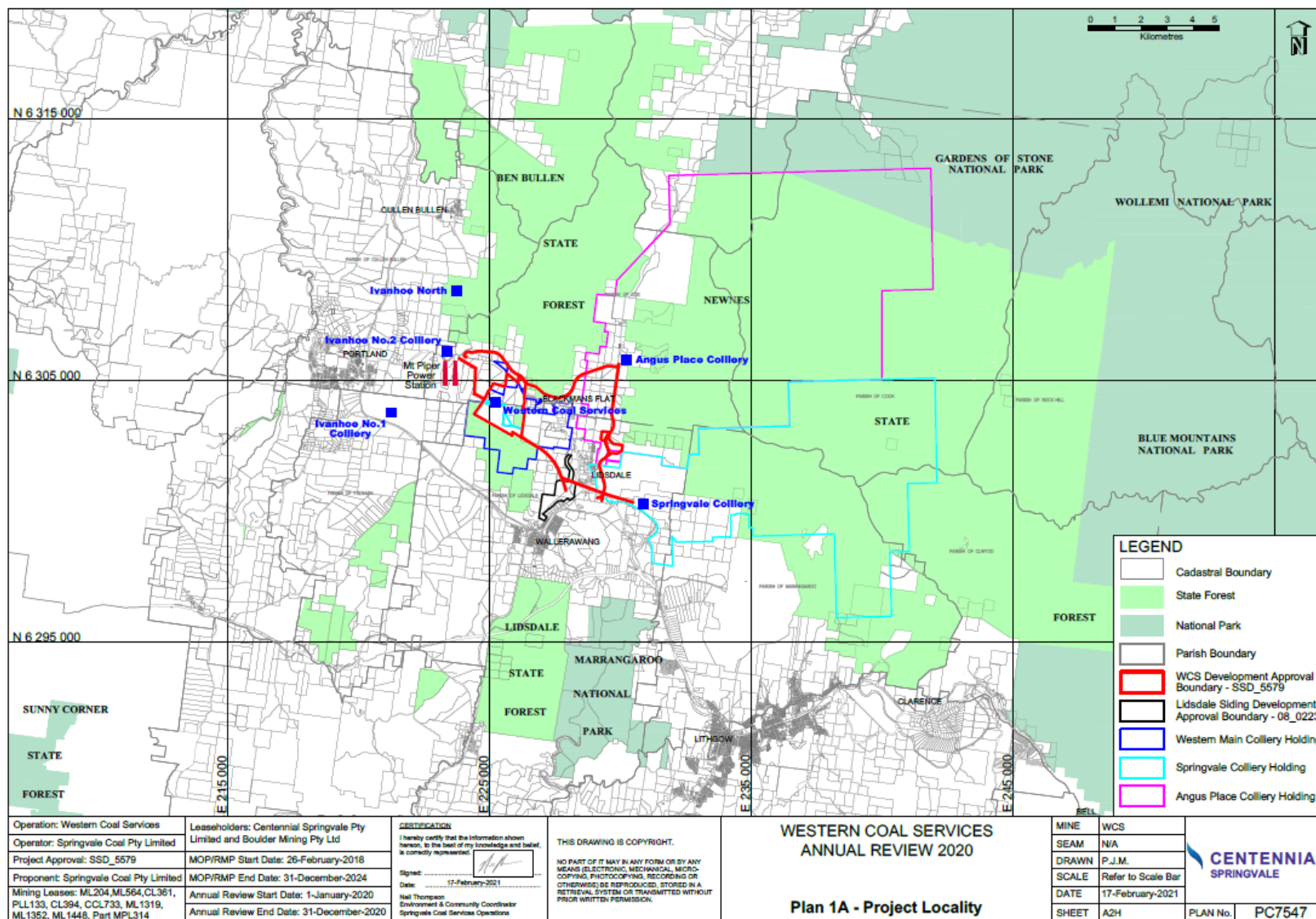


Figure 1 Regional Locality (Source: 2020 Annual Review)

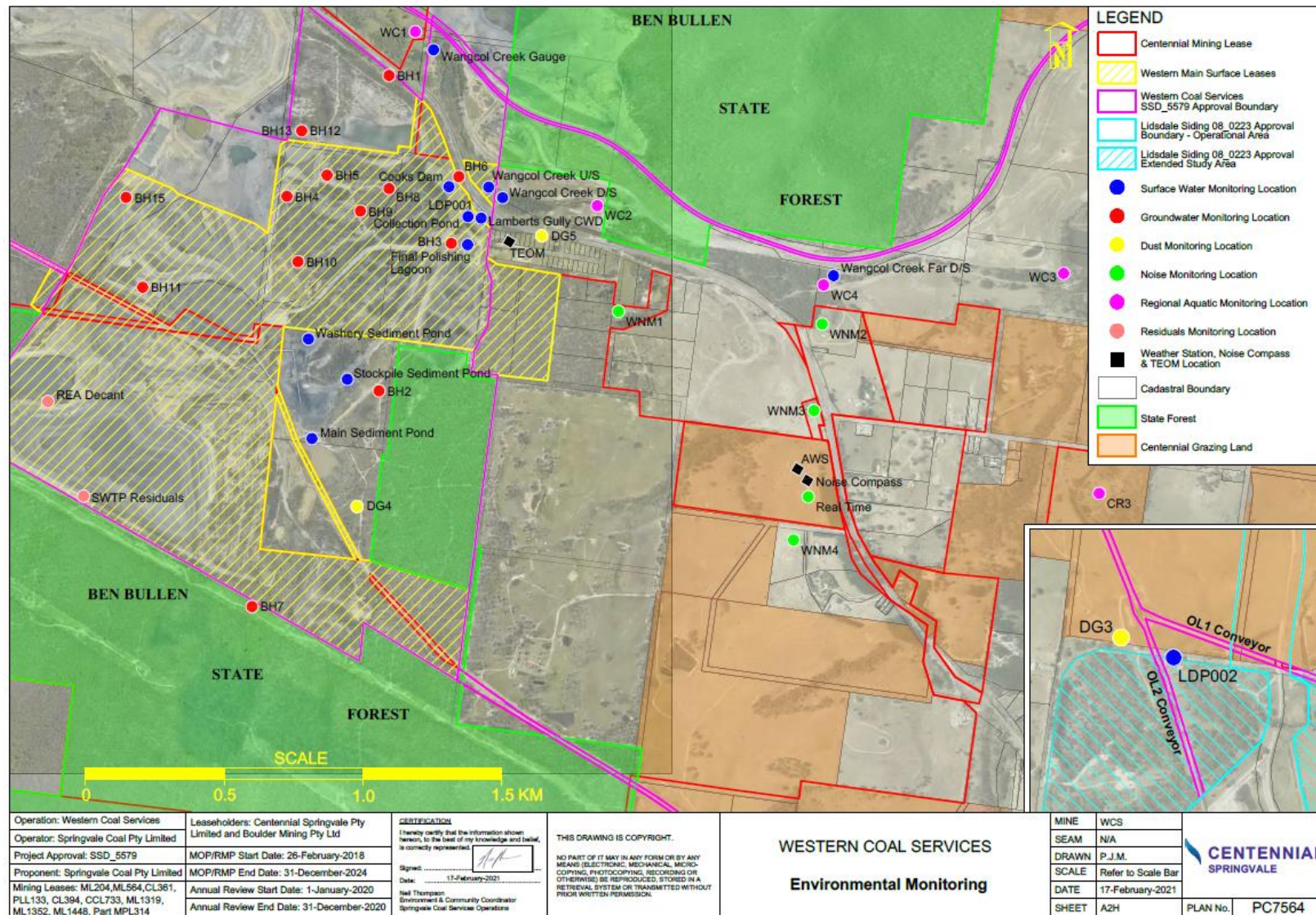


Figure 2 Site Overview (Source: 2020 Annual Review)

1.4 IEA Methodology

The IEA has been completed as per the *Independent Environmental Audit Guidelines* (DPIE 2020). The following environmental consultants were involved with this IEA and endorsed by DPIE:

- Chris Jones (Principal, IEMA) as Lead Auditor;
- Jess Coffey (Associate, IEMA) as Auditor; and
- Clayton Richards (Rehabilitation Specialist).

As noted previously, DPIE did not request a rehabilitation specialist, however one was proposed to be added to avoid any conflict, as the auditor (Chris Jones) had been involved in the preparation of the Western Coal Services MOP during the IEA period.

Chris Jones (Lead Auditor) and Jessica Coffey (Assistant Auditor) visited the site on 7-9 December 2021 to attend a site meeting, complete a site inspection and verify field components of the audit. Information was provided by Centennial prior to, during, and following the site inspection. The IEA team also sourced information from the Centennial website.

The IEA team are independent of Centennial as defined under DPIE *Independent Environmental Audit Guidelines* (2020). Following previous discussions with DPIE the 2015 IEA Guideline is used for mining proponents that have mining leases (relevant to Western Coal Services). This IEA however covers both the 2015 and 2020 Guidelines. The endorsement of this IEA team by DPIE is attached in **Appendix E**. The methodology for the IEA consisted of the following key steps:

- Reviewing key documents provided by Centennial prior to the Audit;
- Consultation with relevant government agencies as per the IEA Guideline requirements prior to the site component;
- An on-site meeting with key Centennial personnel;
- Site component of the IEA including a field inspection;
- Prior to the site inspection the IEA team assessed the approvals and documentation outlined in **Section 4**. IEMA also reviewed additional documentation provided by Centennial following the site inspection;
- Photographs taken during the site inspection are included in **Appendix A**. A large amount of evidence was viewed and collected as part of the IEA, including monitoring records, reports, and correspondence. While this key evidence has been referenced in **Section 2**, it has not been attached to this IEA report;
- Two rounds of client review and comment were received on the draft IEA report, prior to finalisation.

1.4.1 Key Meetings and Attendees

A site visit was completed on 7-9 December 2021. An opening meeting was held on 7 December 2021. At the start of this meeting, introductions were made by each of the meeting attendees and Centennial personnel provided background details regarding the site to the IEA team. A close out meeting was held on 9 December 2021 which included a general discussion about compliance and areas for improvement. **Table 2** lists those present at these meetings.

Table 2 – Meeting Attendees

Name	Role and Company
Opening Meeting – 7 December 2021	
Chris Jones	IEMA Lead Auditor
Jessica Coffey	IEMA Assistant Auditor
Veronica Howat	Centennial Assurance Specialist
Natalie Gardiner	Environment and Community Coordinator - Springvale
Geoff Rapson	Manager Springvale Coal Services
William Olson	Centennial Environment & Community Graduate
Site Inspections 7-8 December 2021	
Chris Jones	IEMA Lead Auditor
Jessica Coffey	IEMA Assistant Auditor
Veronica Howat	Centennial Assurance Specialist
Natalie Gardiner	Environment and Community Coordinator - Springvale
Geoff Rapson	Manager Springvale Coal Services
William Olson	Centennial Environment & Community Graduate
Diana Barnes	Environment and Community Coordinator – Angus Place
Makenzie Denley	Centennial Environment & Community Vacation Student
Close Out Meeting – 9 December 2021	
Chris Jones	IEMA Lead Auditor
Jessica Coffey	IEMA Assistant Auditor
Veronica Howat	Centennial Assurance Specialist
Natalie Gardiner	Environment and Community Coordinator - Springvale
Geoff Rapson	Manager Springvale Coal Services
William Olson	Centennial Environment & Community Graduate
Stephen Shoesmith	Centennial Manager – Environment (via telecon)
David Craft	Mine Manager - Angus Place (via telecon)

1.4.2 Field Inspection

Chris Jones (Lead Auditor) and Jessica Coffey (Assistant Auditor) completed a site inspection on 7 and 8 December 2021 to verify field components of the audit.

Areas visited included:

- The Springvale Coal Services Site (SCSS) including the CHPP and stockpiling areas;
- The Angus Place to Wallerawang Haul Road (noting that the Angus Place to Mount Piper Power Station Haul Road was inaccessible at the time of the inspection);
- Kerosene Vale stockpile site and LDP003; and
- Overland Conveyors from Springvale Colliery to SCSS.

IEMA found the areas to be generally well managed. Some improvement recommendations were made, and these have been provided in **Section 6**.

1.5 Consultation Requirements

Table 3 outlines the stakeholder consultation completed for the IEA, undertaken in accordance with the IEA Guidelines. The responses have been provided as **Appendix F**.

Table 3 – Stakeholder Consultation for the IEA

Regulator	Contact Details	Comment from IEA Team/Stakeholder	Audit Team Response
DPIE	Jennifer Rowe jennifer.rowe@planning.nsw.gov.au	Email response received 20 December 2021 noting the following: <ol style="list-style-type: none"> The IEA needs to ensure that it audits all Conditions of Consent and that all IEA requirements of Schedule 5, Condition 9 are met. The IEA is to be consistent with ISO 19011:2002 – Guidelines for Quality and/or Environmental Systems Auditing, or updated versions of this guideline. However, in preparing the audit the Department would like you to also consider the Independent Audit Post Approval Requirements, dated May 2020, which can be located https://www.planning.nsw.gov.au/-/media/Files/DPE/Other/Assess-and-regulate/About-Compliance/independent-audit-post-approval-requirements-2020-05-19.pdf. The IEA is to include consultation with relevant agencies, but not limited to the following: <ul style="list-style-type: none"> EPA - Environment Protection Authority Resource Regulator NSW NRAR - Natural Resources Access Regulator WaterNSW Lithgow City Council CCC - Community Consultative Committee (chairperson) Given a recent lodgement for a Modification to the consent for some changes to the Water management system, it would be appreciated if you could focus on compliance with their water management plan. 	<ol style="list-style-type: none"> The IEA has audited all the conditions of SSD-5579 and has met the requirements of Schedule 5 Condition 9. The IEA has been prepared in accordance with the requirements of ISO 19011:2002 and the 2020 IEA Guideline. The required agencies have been consulted with (refer below line items). Compliance with the Water Management Plan has been assessed as part of the IEA and implementation was reviewed as part of the field inspection.
Environment Protection Authority (EPA)	Sheridan Ledger Sheridan.Ledger@epa.nsw.gov.au	No response received.	No additional comment.
Resources Regulator NSW	Jenny Ehmsen jenny.ehmsen@planning.nsw.gov.au	Letter response received 15 December 2021 requesting that the IEA include the following: <ol style="list-style-type: none"> Review relevant mining leases and exploration licences as agreed with Resources Regulator (CCL733, ML1448, CL361, ML204, CL394, ML564, ML1319, PLL133, and ML1352). Undertake an assessment of compliance against the conditions of title related to environmental management. 	<ol style="list-style-type: none"> The IEA has reviewed the required mining leases. The IEA has included an assessment of compliance against the applicable conditions of each title, including those related to environmental management.

Regulator	Contact Details	Comment from IEA Team/Stakeholder	Audit Team Response
		<p>3. Verify that there is a current Mining Operations Plan (MOP) in place, and it has been approved by the Regulator – review compliance against any conditions of approval of the MOP.</p> <p>4. Undertake a critical review of the MOP, including an assessment of its compatibility with the description of operations contained in the planning approval. In particular:</p> <ul style="list-style-type: none"> • Review the rehabilitation strategy as outlined in the MOP to determine if it is consistent with the Project Approval in terms of progressive rehabilitation schedule; and proposed final land use(s) • Review the rehabilitation objectives and completion criteria as outlined in the MOP to determine if they have been developed in accordance with the proposed final land use(s) as outlined in the Project Approval <p>5. Review the development and implementation of any rehabilitation monitoring programs to assess performance against the nominated objectives and completion criteria – verified by reviewing monitoring reports and rehabilitation inspection records.</p> <p>6. Determine if a rehabilitation care and maintenance program has been developed and implemented based on the outcomes of monitoring program – verified by reviewing Annual Rehabilitation Programs or similar documentation.</p> <p>7. Confirm that mining operations are being conducted in accordance with the approved MOP (production, mining sequence etc.), including within the designated MOP approval boundary – to be verified by site plans and site inspection.</p> <p>8. Confirm that rehabilitation progress is consistent with the approved MOP as verified by site plans and a site inspection. This should include an evaluation against rehabilitation targets and whether the final landform is being developed in accordance with conceptual final landform in the Project Approval.</p> <p>9. Based on a visual inspection, determine if there are any rehabilitation areas that appear to have failed or that have incurred an issue that may result in a delay in achieving the successful rehabilitation outcomes.</p> <p>10. In addition to the above, the audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice.</p>	<p>3. The site operates under the current approved 2018-2024 MOP (Amendment A) dated 6 April 2020. The MOP Approval letter (dated 28 August 2020) does not include any conditions of approval.</p> <p>4. The IEA has included a high-level review of the MOP and have found that it is generally consistent with the EIS, SSD-5579, the MOP rehabilitation strategy and the MOP rehabilitation objectives/completion criteria.</p> <p>5. The IEA included a high-level review of Koru rehabilitation monitoring reports and found that they are assessing rehabilitation against the MOP criteria.</p> <p>6. The site is currently active and disturbed areas are required at the site. Walkover inspections are undertaken at the site by ecological consultants to detect any potential maintenance issues, and these are reported in the Annual Rehabilitation Monitoring Reports. Appendix N of the Annual Reviews notes that rehabilitation works were undertaken on previously rehabilitated areas in 2018, 2019 and 2020 in accordance with the Rehabilitation Improvement Plan (RIP).</p> <p>7. No mining operations are undertaken at the site.</p> <p>8. The 2018-2024 MOP committed to minimal rehabilitation over the MOP period. No new rehabilitation was undertaken in 2018, 2019 or 2020, with works undertaken on previously rehabilitated areas in accordance with the RIP. The IEA and site inspection confirmed that</p>

Regulator	Contact Details	Comment from IEA Team/Stakeholder	Audit Team Response
			<p>rehabilitation progress is generally being undertaken in accordance with the approved MOP and approved final landform in SSD-5579.</p> <p>9. The site inspection found that there were some areas of poor rehabilitation on site, however these were in areas that were approved for future disturbance. Rehabilitation observed on site was generally of good quality.</p> <p>10. The site inspection identified a number of positive management aspects of the site, which are noted in Section 8.</p>
Natural Resources Access Regulator (NRAR)	General Enquiries nrar.enquiries@nrar.nsw.gov.au	Automated response dated 14 December 2021. No formal feedback received.	No additional comment.
WaterNSW	Ravi Sundaram ravi.sundaram@waternsw.com.au	<p>Email received 22 December 2021, noting the following:</p> <ol style="list-style-type: none"> 1. WCS is located within the Upper Coxs River catchment which is within the Declared Catchments (i.e., the Sydney Drinking Water Catchment). It is important that the site has a Neutral or Beneficial Effect (NorBE) on receiving water quality as per the Sydney Drinking Water State Environmental Planning Policy. WaterNSW therefore requests that the IEA specifically look into water management at the site to ensure management measures detailed in the Water Management Plan required under development consent condition 24 are adequately addressed and that NorBE has been met during the audit period. 2. WaterNSW also requests that the IEA look into the interaction of the WCS site with the Centennial Springvale and Angus Place development approvals and the Springvale Mine Water Treatment Plant (WTP) located at Energy Australia Mount Piper Power Station (MPPS). WaterNSW requests that the IEA look into: <ol style="list-style-type: none"> (a) Any requirements relating to mine water transfer, treatment, management and reuse in Springvale, Angus Place and WTP approvals. (b) The disposal of residuals from the pre-treatment process in the reject emplacement area (REA) from the Springvale WTP site at the WCS site. 	<ol style="list-style-type: none"> 1. The IEA has included an assessment of the Water Management Plan conditions of SSD-5579 and the EPLs, as well as a site inspection of the water management system, and a high-level review of the Water Management Plan. It was noted that there have been significant upgrades and improvements to the Water Management System on site since the previous IEA. Some recommendations in relation to water management have been made (refer Section 6 and 7). 2. (a) The IEA has reviewed the SSD-5579 conditions of approval relating to the Springvale Water Treatment Plant (WTP) (specifically, Schedule 2 Condition 8A, and Schedule 3 Condition 46) and found the site to be generally compliant with these conditions.

Regulator	Contact Details	Comment from IEA Team/Stakeholder	Audit Team Response
			(b) the disposal of residual waste from the Springvale WTP was assessed for the IEA period to be within the limits of Schedule 2 Condition 8A.
Lithgow City Council (LCC)	Lauren Stevens Lauren.Stevens@lithgow.nsw.gov.au Paul Cashel paul.cashel@lithgow.nsw.gov.au	No response received.	No additional comment.
Community Consultative Committee (CCC) Chairperson	Abigail Goldberg info@goldbergblaise.com.au	Email response received dated 24 January 2022, confirming no feedback from the CCC.	No additional comment.
DPIE Biodiversity, Conservation and Science Directorate	Liz Mazzer liz.mazzer@environment.nsw.gov.au	<p>Email received 17 December 2021 noting that the Biodiversity, Conservation and Science Directorate (BCS) has a particular interest in Schedule 3, conditions 25 to 30:</p> <ol style="list-style-type: none"> <u>Condition 25 Biodiversity Offset Strategy</u>. Centennial Coal's Biodiversity Offset Strategy Western Region (dated 28 February 2019) identified offset lands (Carinya) to satisfy the offset requirements for Western Coal Services. This was to have been secured using a conservation agreement. BCS would like the audit to address: <ol style="list-style-type: none"> Whether the offset area for Western Coal Services has been secured. What mechanism has been used to secure the offset area? When was the offset area secured? How does the offset area provide suitable habitat for the threatened species listed in condition 28? <u>Condition 26 Additional rehabilitation initiatives</u>. Additional rehabilitation initiatives are outlined in the Mining Operations Plan 1 January 2018 to 31 December 2024. Progress towards the additional rehabilitation initiatives should be included in the audit. This should include how the additional rehabilitation initiatives have provided suitable habitat for one or more of the species listed in condition 28. <u>Condition 27 Riparian habitat and catchment improvement plan</u>. A riparian habitat and catchment improvement plan has been prepared. <ol style="list-style-type: none"> Have the management actions in the plan been implemented? 	<ol style="list-style-type: none"> (a) to (c) The securing of the Carinya biodiversity offset site (Lot 163) has been finalised with the NSW Biodiversity Conservation Trust (the BCT) through a Conservation Agreement (CA0292) on 16/12/2020 under the <i>Biodiversity Conservation Act 2016</i>. Auditors sighted a letter from the BCT stating that the agreement had been signed, as well as a title search showing that the Conservation Agreement is attached to the land. (d) The Western Region Biodiversity Offset Strategy s 4.1.3 (RPS, 2019) states that the Carinya Lot 163 offset site provides suitable habitat for all of the listed threatened species recorded on the SCSS. The "Additional Rehabilitation Initiatives Area" is captured as MOP Domain 7 (now called "Conservation Sites"). The annual Koru environmental monitoring reports include an assessment of this domain against the MOP criteria. An update on rehabilitation is also

Regulator	Contact Details	Comment from IEA Team/Stakeholder	Audit Team Response
		<p>b) There was an intent to apply a positive covenant on the land title under Section 88B of the Conveyancing Act 1919 to secure the area. Has this occurred?</p> <p>4. <u>Condition 29 Biodiversity Management Plan</u>. The Western Region biodiversity management plan has been prepared. The audit should check:</p> <p>a) Progress towards performance and completion criteria</p> <p>b) Whether the plan has been updated every three years</p> <p>5. <u>Condition 30 Conservation bond</u>. What is the status of the conservation bond?</p>	<p>provided to DPIE in the Annual Review.</p> <p>3. (a) The IEA included a high-level review of the RHCIP (not yet approved) and found that it is generally being implemented in accordance with requirements of SSD-5579.</p> <p>(b) The RHCMP stated that the positive covenant is for the 'Wangcol Creek Project' if the proposed works are constructed. (Section 1.3 of the RCHMP) The Wangcol Creek project area includes a 50 m wide riparian corridor surrounding Wangcol Creek for 100 m downstream of the proposed link haul road bridge crossing (Section 2.1.1). This hasn't yet been constructed, and therefore this hasn't been triggered.</p> <p>4. (a) The IEA included a high-level review of the 2019 BMP (currently unapproved) and found that progress is generally tracking towards completion criteria.</p> <p>(b) The 2019 BMP will be due for update in 2022.</p> <p>5. The Biodiversity MP is not yet approved - therefore this condition has not yet been triggered.</p>

1.6 Statement of Independence

We can confirm independence based on the following:

- No one from the IEA team is related to any proponent, owner, operator or other entity involved in the delivery of the project. Such a relationship includes that of employer/employee, a business partnership, sharing a common employer, a contractual arrangement outside an Independent Audit, or that of a spouse, partner, sibling, parent, or child;
- No one from the IEA team has any pecuniary interest in the project, proponent or related entities. Such an interest includes where there is a reasonable likelihood or expectation of financial gain (other than being reimbursed for performing the Audit) or loss to the auditor, or their spouse, partner, sibling, parent, or child;
- No one from the IEA team have provided services (not including independent reviews or auditing) to the current project with the result that the audit work performed by themselves or their company, except as otherwise declared to the Department prior to the audit;
- No one from the IEA team is an Environmental Representative for the Project; and
- No one from the proposed IEA team can or has accepted any inducement, commission, gift or any other benefit from auditee organisations, their employees or any interested party, or knowingly allow colleagues to do so.

As noted previously, IEMA was conflicted in terms of auditing rehabilitation conditions, as the auditor (Chris Jones) had been involved in the preparation of the MOP during the IEA period. Therefore, Mr Clayton Richards from MineSoils was added to the audit team to independently audit rehabilitation conditions. This conflict was notified to DPIE in a Declaration of Independence (refer **Appendix C**) and the proposed audit team was subsequently endorsed by DPIE in a letter dated 14 October 2021.

2 DOCUMENTS REVIEWED AND REFERENCED

Key documentation reviewed as part of the IEA includes:

- SSD-5579 (including associated Management Plans);
- SSD-5579 Statement of Commitments;
- EPL 21229 (Western Coal Services);
- EPL 467 – relevant conditions (Kerosene Vale);
- Various mining leases (ML 204, ML 564, ML 1319, ML1352, ML 1448, CCL 733, CL 394, CL 361, and PLL 133);
- Status of previous IEA recommendations;
- Training and Induction records;
- Annual Reviews –2018, 2019 and 2020;
- Monitoring results for meteorological, noise, air, and water – including real time results;
- Consultation evidence from regulators, including approval letters and responses to exceedances/non-compliances;
- EPL Annual Returns – submitted throughout the IEA period;
- Complaints log;
- Rehabilitation Cost Estimate Security;
- Maintenance and calibration records; and
- CCC Meeting Minutes – throughout the IEA period.

3 ASSESSMENT OF COMPLIANCE

The terms used in the IEA to describe the level of compliance of the site with the relevant approval documentation are outlined in **Table 4** and **Table 5**. These are requirements of the DPIE's *Independent Environmental Audit Guidelines*

Table 4 – Compliance Assessment Criteria

Assessment	Criteria
Compliant	Where the Auditor has collected sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory approval have been complied with within the scope of the Audit.
Not Verified	Where the Auditor has not been able to collect sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory approval have been complied with within the scope of the Audit. In the absence of sufficient verification, the Auditor may in some instances be able to verify by other means (visual inspection, personal communication, etc.) that a requirement has been met. In such a situation, the requirement should still be assessed as not verified. However, the Auditor could note in the report that they have no reasons to believe that the operation is non-compliant with that requirement.
Non - Complaint	Where the Auditor has collected sufficient verifiable evidence to demonstrate that the intent of one or more specific elements of the regulatory approval have not been complied with within the scope of the Audit.
Administrative Non - Compliance	A technical non-compliance with a regulatory approval that would not impact on performance and that is considered minor in nature (e.g., report submitted but not on the due date, failed monitor or late monitoring session). This would not apply to performance-related aspects (e.g., exceedance of a noise limit) or where a requirement had not been met at all (e.g., noise management plan not prepared and submitted for approval).
Not triggered	A regulatory approval requirement has an activation or timing trigger that had not been met at the time of the Audit inspection; therefore, a determination of compliance could not be made.
Observation	Observations are recorded where the Audit identified issues of concern which do not strictly relate to the scope of the Audit or assessment of compliance. Further observations are considered to be indicators of potential non-compliances or areas where performance may be improved.
Note	A statement or fact, where no assessment of compliance is required.

Table 5 – Risk Levels for Non - Compliances

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

4 APPROVALS AND DOCUMENTATION

4.1 Previous IEA Recommendations

An annual update on outstanding actions from the 2018 IEA has been included each year in Appendix P of the Annual Review. At the commencement of the 2021 IEA, all of the recommendations identified during the 2018 audit had since been completed and closed off (or related to ongoing commitments that cannot be closed out).

4.2 Development Consent

The IEA assessed the conditions of SSD-5579, as well as the relevant Statement of Commitments. Recommendations relating to the SSD-5579 are outlined in **Section 6 and 7** of this IEA Report.

4.3 Environment Protection Licences

Lidsdale Siding operates under EPL 21229, which has an anniversary date of 17 May. Angus Place (including the Kerosene Vale Stockpile area) operates under EPL 467, which has an anniversary date of 1 January. Recommendations relating to the EPLs are outlined in **Section 6 and 7** of this IEA Report.

4.4 Management Plans and Programs

Western Coal Services operates under a number of different management plans. Some are Regional management plans that cover all of Centennials Western Operations, some are integrated with Springvale Coal Services Operations (SCSO), and some are site-specific. It was noted during the audit that a number of management plans had been updated and were sitting with regulators for approval. The management plans that were being implemented at site (both approved and unapproved) were reviewed as part of this audit, and their approval status is summarised in **Table 6** below.

Table 6 –Western Coal Services Management Plans

Development Consent Condition	Management Plan	Document Date	Summary of Management Plan	Compliance Assessment
Western Coal Services Management Plans				
SSD-5579 Schedule 3 Condition 24	Western Coal Services Water Management Plan	August 2014 (unapproved)	Water management at Western Coal Services. This plan was submitted for approval in 2014 (along with a 2017 and 2019 version) however these are all currently sitting with the regulator for approval. The 2014 Water Management Plan was considered the appropriate management plan to review as part of this IEA.	Low level non-compliance related to implementation. A number of recommendations have been made.
SSD-5579 Schedule 3 Condition 27	Riparian Habitat and Catchment Improvement Plan	October 2017 (unapproved)	Outlines measures to improve riparian habitat of Wangcol Creek. This plan was submitted in 2017 and is currently sitting with the regulator for approval.	Assessed as compliant. No significant compliance issues identified. Some improvement recommendations made.
SSD-5579 Schedule 3 Condition 45	Western Coal Services Mining Operations Plan 1 January 2018 to 31 December 2024 (Amendment A)	April 2020	The MOP addressed the requirement for a Rehabilitation Management Plan at Western Coal Services.	Assessed as compliant. No significant compliance issues identified. Some improvement recommendations made.
SCSO Plans (Western Coal Services and Lidsdale Siding)				
SSD-5579 Schedule 5 Condition 1	SCSO Environmental Management Strategy (EMS)	February 2021	Overarching document outlining environmental management at SCSO (Western Coal Services and Lidsdale Siding).	Assessed as compliant. No issues identified. No recommendations made.
Centennial Western Region Plans				
SSD-5579 Schedule 3 Condition 9	Western Region Noise Management Plan	February 2021	Outlines air noise management at Centennials western operations. Appendix F1 and F2 specific to Western Coal Services.	Assessed as compliant. No issues identified. No recommendations made.
SSD-5579 Schedule 3 Condition 17	Western Region Air Quality and Greenhouse Gas Management Plan	April 2021	Outlines air quality and greenhouse gas management at Centennials western operations. Appendix F specific to Western Coal Services.	Assessed as compliant. No issues identified. No recommendations made.
SSD-5579 Schedule 3 Condition 25	Western Region Biodiversity Offset Strategy	February 2019	Outlines management of Biodiversity offsets at Centennials western operations. Attachment H specific to Western Coal Services.	Assessed as compliant. No issues identified. No recommendations made.

Development Consent Condition	Management Plan	Document Date	Summary of Management Plan	Compliance Assessment
SSD-5579 Schedule 3 Condition 29	Western Region Biodiversity Management Plan	August 2019 (unapproved)	Outlines Biodiversity Management at Centennials western operations. Appendix H specific to Western Coal Services. This plan was submitted in 2019 and is currently sitting with the regulator for approval.	Assessed as compliant. No issues identified. No recommendations made.
SSD-5579 Schedule 3 Condition 32	Western Region Aboriginal Cultural Heritage Management Plan	July 2017	Outlines Aboriginal cultural heritage management at Centennials western operations. Attachment 7 specific to Western Coal Services.	Assessed as compliant. No issues identified. No recommendations made.
SSD-5579 Schedule 3 Condition 32	Western Region Historic Heritage Management Plan	June 2018	Outlines historic heritage management at Centennials western operations. Attachment 7 specific to Western Coal Services.	Assessed as compliant. No issues identified. No recommendations made.

4.5 Complaints

There were 41 complaints made at Western Coal Services during the IEA period. This is noted in the Annual Reviews and Complaints Log available on the website. These complaints were all made by one complainant (a neighbour), who has not made a complaint since 2019. It is noted that there have been no exceedances of the noise criteria during the IEA period. A summary of complaints during the IEA period is provided in **Table 7**.

Table 7 – Number of Complaints since last IEA

Year	Total Complaints	Topic
2 November to 31 December 2018	21	Noise – all made by one complainant.
2019 (Calendar Year)	20	Noise – all made by one complainant.
2020 (Calendar Year)	0	-
1 January to 1 November 2021	0	-
TOTAL	0	-

4.6 Reportable Environmental Incidents

There were no reportable incidents at Western Coal Services during the IEA period as noted in the Annual Reviews, EPL Annual Returns as well as site records of investigation and reporting, as shown in **Table 8**.

Table 8 – Incidents and Non-Compliances within the IEA period

Year	Incident Summary	Was the incident reportable?	Was there a non-compliance against an approval?	Follow-up actions (provided by Centennial)
2 November to 31 December 2018	Nil			
2019	Nil			
2020	Nil			
1 January to 1 November 2021	Nil			

4.7 Comparison Against EA Predictions

The IEA team completed a review of the SSD-5579 Statement of Commitments. There were two low level non-compliances against the Statement of Commitments, with all other commitments considered either Compliant or Not Triggered.

The IEA team reviewed monitoring results from the Annual Reviews to assess in comparing actual vs predicted impacts from the EIS. The IEA is satisfied with how this information is being reported within the Annual Review.

5 ENVIRONMENTAL MANAGEMENT – SPECIALIST ASSESSMENT

5.1 Rehabilitation

IEMA was conflicted in terms of auditing rehabilitation conditions, as the auditor (Chris Jones) had been involved in the preparation of the Western Coal Services MOP during the IEA period. Therefore, Mr Clayton Richards from MineSoils was added to the audit team to independently audit rehabilitation conditions. Clayton was endorsed by DPIE in a letter dated 14 October 2021. Conditions assessed included:

- SSD-5579 - Conditions 43 to 45 of Schedule 3; and
- SSD-5579 Statement of Commitments 10.1 and 10.2.

The rehabilitation assessment noted the following:

- Rehabilitation on site was generally of a good quality (excluding the future capping material areas) and the site was deemed to be generally compliant with the requirements of the Project Approval;
- A large amount of rehabilitation on site is considered temporary rehabilitation as it is proposed for future use as capping material (as approved in the current MOP) therefore minimal maintenance is completed in these areas;
- Rehabilitation monitoring is undertaken annually by Koru Environmental, and rehabilitation is assessed against the MOP criteria.

The rehabilitation assessment made a number of recommendations that have been included in **Section 6** and **Section 7**.

6 IEA FINDINGS – SUMMARY OF NON-COMPLIANCES

Table 9 outlines the summary of non - compliances and proposed recommendations relating to the key approvals. Two different types of recommendations have been included in the audit:

- Non-Compliance Recommendations (NC RECs) relates to a non-compliance with a certain aspect of a condition; and
- Improvement Recommendations (IMP RECs) relate to a recommendation that should be implemented; however, it does not relate to a certain component of a condition. These can be conditions which are compliant or non-compliant.

Additional improvement recommendations are outlined in **Section 7**.

Table 9 – Summary of Non - Compliances

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
SSD-5579 and Statement of Commitments				
Schedule Condition 2	Prior to the end of December 2015, or as otherwise agreed by the Secretary, the Applicant must surrender all existing development consents or approvals that it holds for the site in accordance with section 104A of the EP&A Act.	Admin Non-Compliance	The surrender of DA06-0017 was completed in Dec 2018 (during the audit period), exceeding the 2015 deadline. No evidence has been provided regarding an extension granted by the Secretary, <u>therefore administrative non-compliance, however no further recommendations.</u>	No further recommendations.
Schedule Condition 3	The Applicant must: (a) implement best management practice to minimise the construction, operational and road noise of the development; (b) operate a comprehensive noise management system that uses a combination of predictive meteorological forecasting and real-time noise monitoring data to guide the day-to-day planning of coal transport and processing operations, and the implementation of both proactive and reactive noise mitigation measures to ensure	Low Non-Compliance	(a) No construction during the audit period. Operational noise is managed through the Noise Management Plan and monitored. Road noise is monitored quarterly along the Wallerawang Haul Road and noise mitigation measures are outlined in the driver Code of Conduct. No noise exceedances or complaints during the audit period. (b) Site operates a noise management system that predicts temperature inversions. Noise is discussed in the morning meetings. Noise compass wind directions/temperature inversions used as a predictive tool for operations. Uses a traffic light system for risk level. (c) Site operates a manual system of checking daily weather forecasts to determine days when meteorological criteria may not apply (e.g. during wind speeds and temperature inversions). No evidence was	NC REC 1: Include cumulative noise management as a regular item on the agenda for the Energy Australia consultation meetings. IMP REC 2: To cover Condition 8(c), implement a system where alerts are sent to site when meteorological conditions mean that noise limits in do not apply (e.g. high wind speeds, temperature inversions).

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
	<p>compliance with the relevant conditions of this consent;</p> <p>(c) minimise the noise impacts of the development during meteorological conditions under which the noise limits in this consent do not apply (see Appendix 5);</p> <p>(d) co-ordinate noise management on site with the noise management of other approved developments and/or projects on or in the vicinity of the site to minimise cumulative noise impacts; and</p> <p>(e) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.</p>		<p>provided to show that site are alerted in real time. Improvement recommendation has been made for use of real time alerts.</p> <p>(d) There are regular consultation meetings with Energy Australia (minutes provided), however no evidence was provided to verify that cumulative noise impacts are coordinated between the two sites. <u>Therefore low non-compliance.</u></p> <p>(e) Noise monitoring is carried out monthly at the site, and quarterly at the Wallerawang Haul Road. No exceedances of noise criteria during the audit period.</p>	
Schedule 3 Condition 16	<p>The Applicant must:</p> <p>(a) implement best practice management to minimise the off-site odour, fume and dust emissions of the development;</p> <p>(b) implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site;</p> <p>(c) minimise the surface disturbance of the site;</p> <p>(d) minimise any visible off-site air pollution generated by the development;</p> <p>(e) operate a comprehensive air quality management system that uses a combination of predictive meteorological forecasting, predictive air dispersion modelling and air quality monitoring data to guide the day-to-day planning of coal transportation and processing operations and implementation of both proactive and reactive air quality mitigation measures to ensure compliance with the relevant conditions of this consent; and</p>	Low Non-Compliance	<p>(a) No instances of offsite odour, fume or dust emissions from the project. No complaints. No exceedances of criteria or non-compliance. Site inspection observed dust to be managed well. No odour/fume observed while on site.</p> <p>(b) Greenhouse gas emissions are limited to mobile plant, which are only operated as required. Emissions are reported through the NGERs program.</p> <p>(c) Surface disturbance is largely restricted to existing operations. No clearing of undisturbed areas during the audit period.</p> <p>(d) No visible offsite air pollution observed during the site inspection. No complaints relating to visual impact or air quality.</p> <p>(e) • Predictive meteorological forecasting is used to generate daily Dust Risk Reports, which are presented in the morning meetings (minutes provided). Water carts and stockpile sprays are implemented on high risk days. Stockpile sprays are automatic, through CITECT.</p> <p>• No predictive air dispersion modelling. <u>Therefore low non compliance.</u></p> <p>• Air quality monitoring data is collected at the site. TARP relates to PM10 triggers. No exceedances/non-compliances during the audit period.</p>	NC REC 2: In consultation with an air quality specialist develop and implement a system of predictive air dispersion modelling as required under Condition 16(e).

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
	(f) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d to Tables 7-9 above), to the satisfaction of the Secretary.		(f) Evidence was provided to show that during extraordinary events (e.g. 2019 bushfires) additional water carts were implemented to minimise air quality impacts of the development.	
Schedule 3 Condition 23	The Applicant must comply with the performance measures in Table 10 to the satisfaction of the Secretary.	Low Non-Compliance	The required performance measures were generally implemented during the audit period, however there was no evidence of Lamberts Gully Creek monitoring or channel stability monitoring. <u>Therefore low non-compliance.</u> It was noted that there have been a significant number of improvements to the water management system on site since the previous audit.	NC REC 3: Complete the required channel stability monitoring for Lamberts Gully Creek and Wangcol Creek.
Schedule 3 Condition 24	The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with the EPA, WaterNSW, DPIE – Water, LCC, Forestry Corporation of NSW and Energy Australia by suitably qualified and experienced person/s whose appointment has been approved by the Secretary; (b) be submitted to the Secretary for approval within 4 months of the date of this consent, unless otherwise agreed by the Secretary; and (c) include a: (i) Site Water Balance, that: • includes details of: o sources and security of water supply, including contingency supply for future reporting periods; o water use and management on site; o any off-site water discharges; and	Low Non-Compliance	Three versions of the Western Coal Services Water Management Plans (WMP) have been developed for the site. August 2014 version (unapproved), October 2017 version (unapproved - submitted for approval 18/10/17) and February 2019 (unapproved - submitted for approval 15/03/2019). This audit has only assessed the 2014 version. <u>Preparation (2014 Version) -</u> a) Consultation outlined in Section 1.4 of WMP. b) WMP submitted in August 2014 (within required submission timeframe). c) (i) Site Water Balance provided in Section 7, and annual updates provided for 2020 and 2021. (ii) • Surface Water Management Plan included in the following section 6., baseline data in Section 9, triggers in Section 11, Monitoring and reporting included as Section 10 & 12. (iii) Baseline Groundwater Data Section 3, Groundwater Criteria Section 10.1, Groundwater monitoring Section 8, Validation Section 10 & 12.3, exceedances of criteria Section 11. (iv) Protocol for managing cumulative impacts Section 12.4. <u>Implementation</u> • <u>Non - compliance for implementation. No evidence of Lamberts Gully Creek monitoring or channel stability monitoring (refer NC REC 3 above).</u>	IMP REC 3: Complete maintenance works for areas of erosion identified along conveyor route during site inspection (refer photo 1 in audit report). IMP REC 4: Complete repair works along 50m of drainage line (refer Figure 5 in audit report). IMP REC 5: Clean out areas of rock drains near the boundary of EA and Centennial (refer Figure 7 in audit report) IMP REC 6: Undertake engineering review to identify solutions for area of weak point in the wall of A Pit (refer Photos 15, 16, and 17 in audit report). IMP REC 7: Remove coal fines that are currently blocking water filtering through coir logs near retention pond (refer Photo 24 in audit report). IMP REC 8: Remove coal in dirty water drain adjacent to main haul road and clean water drain (refer Photo 25 in audit report).

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
	<ul style="list-style-type: none"> o reporting procedures, including the preparation of a site water balance for each calendar year; and • investigates and implements all reasonable and feasible measures to minimise potable water use and to re-use and recycle water;" <p>(ii) Surface Water Management Plan, that includes:</p> <ul style="list-style-type: none"> • detailed baseline data on water flows and quality in the watercourses that could potentially be affected by the development; • a detailed description of the SCSS water management system, including the: <ul style="list-style-type: none"> o clean water diversion systems; o erosion and sediment controls; and o mine-water management systems; • detailed plans, including design objectives and performance criteria for: <ul style="list-style-type: none"> o design and management for the emplacement of coal reject materials and potential acid-forming or sulphate-generating materials; o management of sodic and dispersible soils; o reinstatement of appropriate drainage lines on the rehabilitated areas of the site; and o control of any potential water pollution from the rehabilitated areas of the site; • performance criteria for the following, including trigger levels for investigating any associated potentially adverse impacts: <ul style="list-style-type: none"> o SCSS water management system; o downstream surface water quality; and o stream and riparian vegetation health for the Wangcol and Lamberts Gully Creeks; 		<ul style="list-style-type: none"> • Some other minor improvement recommendations have been made in relation to water management observed during the site inspection. • Annual water and salt balance provided for 2020 and 2021. • Vista Data Vision shows current water level in dams, flow rate, water quality specs, etc. • Water quality trigger levels are included in the 2014 and 2019 Water MPs. Site completes monitoring and implements TARPs as per the 2019 MP, noting that this goes above and beyond commitments made in the 2014 Water MP. TARP includes notification requirements to various agencies (Water NSW, DPIE, EPA, etc.) • Noted that a new WMP is currently being prepared. • Copies of PowerPoint presentations from Area 4 Rehabilitation (Feb & Oct 2020) and Hydrogeology Model provided. • Annual Reviews include surface and groundwater monitoring data and analysis. • Water MP notes that there are no GDEs in the vicinity. 	<p>IMP REC 9: Desilt Stockpile Sediment Pond as it is at over 50% capacity (refer Photo 26 in audit report).</p> <p>IMP REC 10: Consider the use of coir logs in area of failed sediment fence at Kerosene Vale site (refer photo 28 in audit report)</p> <p>IMP REC 11: Remove coal from drain near LDP003 at Kerosene Vale (refer Photos 30 and 31 in audit report).</p> <p>IMP REC 12: Reinstall coir log at LDP003 (refer Photo 38 in audit report).</p> <p>IMP REC 13: Re-hydromulch area at Western Coal (refer Photo 40 in audit report).</p>

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
	<ul style="list-style-type: none"> • a program to monitor and report on: <ul style="list-style-type: none"> o effectiveness of the SCSS water management system; and o surface water flows and quality in the watercourses potentially affected by the development; and • reporting procedures for the results of the monitoring program; and • a plan to respond to any exceedances of the performance criteria, and mitigate and/or offset any adverse surface water impacts of the development;" <p>(iii) Groundwater Management Plan that includes:</p> <ul style="list-style-type: none"> • detailed baseline data of groundwater levels, yield and quality on the SCSS and surrounds that could be affected by the development, including any licensed privately-owned groundwater bores; • groundwater impact assessment criteria including trigger levels for investigating any potentially adverse groundwater impacts; • a program to monitor and report on: <ul style="list-style-type: none"> o groundwater inflows to former open cut pits; o the seepage/leachate from water storages, emplacements of power station ash and/or coal rejects, and former open cut voids; o background changes in groundwater yield/quality against changes induced by the development; and o impacts of the development on: <ul style="list-style-type: none"> - regional and local (including alluvial) aquifers; - groundwater supply of any potentially affected private landowners; and 			

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
	<p>-any potentially affected groundwater dependent ecosystems and riparian vegetation;</p> <ul style="list-style-type: none"> • a program to validate the groundwater model for the development, including an independent review of the model every 3 years, and comparison of monitoring results with modelled predictions; and • a plan to respond to any exceedances of the performance criteria; and <p>(iv) protocol that has been prepared in consultation with the owners of nearby power generation or mining developments to:</p> <ul style="list-style-type: none"> • minimise cumulative water quality impacts; • review opportunities for water sharing/water transfers between these developments; • co-ordinate water quality monitoring programs as far as practicable; • undertake joint investigations/studies in relation to complaints/exceedances of trigger levels where cumulative impacts are considered likely; and • co-ordinate modelling programs for validation, re-calibration and re-running of groundwater and surface water models." 			
Schedule 3 Condition 36	Within 3 months of the date of consent, until coal transportation ceases on each respective haul road, unless otherwise agreed by the Secretary, the Applicant must maintain the surface of the haul roads from Angus Place to Mount Piper and Wallerawang power stations with a smooth sealed surface, effectively free of potholes, indentations or other unevenness of the surface that would cause noise levels from traffic travelling on the road to exceed	Low Non-Compliance	<ul style="list-style-type: none"> • No inspections of haul roads are completed. Condition of haul roads unable to be assessed as part of this IEA. Previous evidence however outside of audit period. Site advised minimal use of the haul road (evidenced by trucking records 2018-2021). • Haul road observed during the audit had no significant issues visible to the auditors 	<p>NC REC 4: To cover the requirements of Condition 36-38, contact DPIE regarding the requirements to undertake an independent inspection and condition report of the surface of the haul roads from Angus Place to Mount Piper and Wallerawang power stations, by an independent road maintenance expert.</p> <p>NC REC 5: Maintain records of any repair of haul roads if required.</p>

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
	the sleep disturbance criteria in Table 3, to the satisfaction of the Secretary.			
Schedule 3 Condition 37	Within 3 months of the date of consent, and every 6 months thereafter until coal transportation ceases on each respective haul road, unless otherwise agreed by the Secretary, the Applicant must arrange and pay the cost of independent inspections and condition reports of the surface of the haul roads from Angus Place to Mount Piper and Wallerawang power stations by an independent road maintenance expert, approved by the Secretary. Copies of the inspection and condition reports must be forwarded to the Secretary at the same time as they are provided to the Applicant.	Low Non-Compliance	No independent inspections of haul roads is completed, <u>therefore low non-compliance, however no further recommendations</u> (refer NC REC 4 and 5 above). Condition of haul roads unable to be assessed as part of this IEA. Previous evidence however outside of audit period. Site advised minimal use of the haul road. Haul road observed during the audit had no significant issues visible to the auditors.	No further recommendations
Schedule 3 Condition 38	If any haul road condition report, referred to in condition 37, recommends repair or remedial works in order to prevent exceedances of the sleep disturbance criteria in Table 3, then the Applicant must not undertake trucking operations on the affected haul road at Night until the recommended repair and/or remedial works are undertaken to the satisfaction of the independent road maintenance expert.	Low Non-Compliance	No independent inspections of haul roads is completed, <u>therefore low non-compliance, however no further recommendations</u> (refer NC REC 4 and 5 above). Condition of haul roads unable to be assessed as part of this IEA. Previous evidence however outside of audit period. Site advised minimal use of the haul road. Haul road observed during the audit had no significant issues visible to the auditors.	No further recommendations
Schedule 5 Condition 10	Within 3 months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.	Admin Non-Compliance	The 2018 IEA was dated 15 January 2019. MCW was commissioned in October 2018 and the IEA was submitted to DPIE on 27/02/2019. <u>Therefore, administrative non-compliance, however no further recommendations.</u>	No further recommendations
Statement of Commitments 3.1	Removal of the northern two thirds of the existing Co-Disposal REA at the Springvale Coal Services Site within five years of Project Approval.	Low Non-Compliance	Has not been completed during the audit period. Noted that this is in the MOP and is planned for completion. HRA has been completed for this work.	NC REC 6: Details of the co-disposal works referenced in Statement of Commitments 3.1 to be included in the RMP.

Schedule and Condition Number	Condition	Compliance Status	Details	Recommendations
Statement of Commitments 5.3	Within 5 years of the date of the Project Approval, complete the separation of clean and dirty water at the Springvale Coal Services Site. The design will include the diversion of upstream catchments of Huon Gully around the new REA. The sub-catchment containing the existing A Pit REA (previously the Lambert Gully upstream of the Springvale Coal Services Site Open Cut) as well as the new REA will be diverted into the New Sediment Dam. This sub-catchment currently discharges to Huon Gully without treatment and the staged bypass and therefore the proposed change will lead to improved water quality in Huon Gully. Following remediation of the new REA, this sub-catchment of Huon Gully will be restored.	Low Non-Compliance	Required within 5 years of the consent (i.e. by 4/4/2019) however not yet completed, <u>therefore low non-compliance</u> . The majority of the clean and dirty water separation has been completed. Some works still in progress. However noting that there is an EA modification being sought, which if approved, will include modifications to the water management systems. No further recommendations.	No further recommendations

7 ADDITIONAL RECOMMENDED ACTIONS

Additional recommendations relating to compliant conditions or aspects identified in the field (not captured in **Table 9** above) are included within **Table 10**.

Table 10 – Additional Recommendations for Compliant Conditions

Aspect	Condition Reference	Improvement REC Number	Recommendation
Consultation	SSD-5579 Schedule 2 Condition 17	IMP REC 1	Centennial to consult with Energy Australia and Council as part of the RMP preparation.
Ecology	SSD-5579 Schedule 3 Condition 27	IMP REC 14	Follow up with DPIE to get the 2017 RHCIP Approved.
Waste/Carbonaceous Material	SSD-5579 Schedule 3 Condition 42	IMP REC 15	Remove areas of coal spill identified under conveyors during site inspection (refer photos 2, 3 and 6 in audit report).
		IMP REC 16	Remove area of coal spill identified at the base of hill below conveyor during site inspection (refer photo 10 in audit report).
Rehabilitation	SSD-5579 Schedule 3 Condition 44	IMP REC 17	Angus Place RMP to include removal of derelict buildings at Kerosene Vale (refer Photos 33, 35, 37 in audit report).
	SSD-5579 Schedule 3 Condition 45	IMP REC 18	In the next revision of the MOP/RMP add an extra column to Table 14 (see existing MOP) to show where each of the Regulatory requirements is met in the document.
Surface Water	EPL 21229 Condition L2.4	IMP REC 19	Investigate options to detect discharges at LDP002 i.e. level sensor for volume. Other option is quarterly water testing to get an understanding of water quality.
	EPL 21229 Condition O5.3	IMP REC 20	Stockpile Sediment Pond to be desilted to retain design capacity.

8 POSITIVE ENVIRONMENTAL MANAGEMENT

During the audit there were a number of positive environmental management aspects that were observed, and were considered noteworthy:

- There has been a significant investment in upgrading the water management infrastructure on site. A number of recommendations relating to water management were made in the previous audit, and these appear to have been largely implemented at the site. Water management observed by the auditors at the site inspection appeared to have been managed well.
- No noise issues were noted while on site;
- Progressive rehabilitation was observed to have been implemented where available (noting the limited disturbance footprint). There were some areas of poor temporary rehabilitation observed on site, however it is noted that these are proposed for use as future capping material as per the current approved MOP;
- Dust management on site was observed to be managed well during the site inspection;
- The clearly defines disturbance limits using fencing;
- Weed management within the Project Approval area was managed well;
- Document management in general was of a very high quality. Site was able to quickly provide any documentation or evidence requested; and
- The audit was resourced effectively from a site and corporate level. This allowed for adequate preparation for the audit and streamlined the process for the auditors while on site.

9 CONCLUSION

This IEA was prepared by IEMA for Western Coal Services. Western Coal Services operates under SSD-5579 and includes the following:

- The Springvale Coal Services Site (SCSS);
- Angus Place Colliery to Wallerawang Haul Road;
- Angus Place Colliery to Mount Piper Power Station Haul Road;
- Kerosene Vale Stockpile;
- An Overland Conveyor System from Springvale Colliery to SCSS; and
- A CHPP and stockpiling area.

This IEA was prepared to satisfy the requirements of:

- Schedule 5 Condition 9 of SSD-5579; and
- *Independent Environmental Audit Guidelines* (DPIE 2020).

The IEA period is 2 November 2018 (the day after the previous audit ended) to 1 November 2021 (three years from the last audit). DPIE endorsed the following IEA team in the letter dated 14 October 2021:

- Chris Jones (Principal, IEMA) as Lead Auditor;
- Jessica Coffey (Associate, IEMA) as Auditor; and
- Clayton Richards (Rehabilitation Specialist).

Jessica Coffey and Chris Jones visited the site on 7-9 December 2021 to complete a site inspection and verify field components of the audit.

The audit reviewed the consent and associated Statement of Commitments, Environment Protection Licences, Mining Leases, Environmental Management Plans, and the status of previous IEA recommendations. A summary of the audit outcomes is provided in **Table A** below.

Table 11 – Audit Compliance Summary

Compliance Status	SSD 5579	Statement of Commitments	EPL 21229	EPL 467	Mining Leases (all)	Total
Compliant	48	6	41	11	88	194
Not triggered	26	26	14	2	146	214
Admin Non-Compliance	2	0	0	0	0	2
Low Non-Compliance	7	2	0	0	0	9
Medium Non-Compliance	0	0	0	0	0	0
High Non-Compliance	0	0	0	0	0	0
Not Verified	0	0	0	0	0	0
Observation	0	0	0	0	0	0
Note	17	0	18	2	10	47
Total	100	34	73	15	244	466

APPENDIX A

Photographs





Photo 1: Minor areas requiring erosion repair along conveyor route (refer IMP REC 3)



Photo 2: Coal to be removed from under some conveyors (refer IMP REC 15).



Photo 3: Coal to be removed along conveyor access roads (noted improvement since previous audit) (refer IMP REC 15).



Photo 4: Coir logs used for erosion and sediment control along conveyor route – positive environmental management



Photo 5: Repair required at 50m of drainage line prior to Main Sediment Dam. Install new coir log (refer IMP REC 4).



Photo 6: Removal of coal required under conveyors (refer IMP REC 15).



Photo 7: Rock drains near the boundary of Energy Australia and Centennial require clean out (refer IMP REC 5).



Photo 8: Area recently hydromulched.



Photo 9: Sump at TT03 Area.



Photo 10: Area at the base of the large hill has a large deposition of coal material with requires removal (refer IMP REC 16).



Photo 11: Use of boom to reduce sediment load.



Photo 12: Erosion reduction measures at LDP001



Photo 13: A Pit



Photo 14: A Pit



Photo 15: Weak Point in the wall at A Pit – upstream side (refer IMP REC 6).



Photo 16: Weak point in the wall of A Pit from water running into A Pit (refer IMP REC 6).



Photo 17: Water build up in area above A Pit. Needs engineering review to confirm integrity and identify solutions (refer IMP REC 6).



Photo 18: Area of patchy rehabilitation however noted that this is part of a future capping area.



Photo 19: Eucalypts in rehabilitation area.



Photo 20: Area of more established rehabilitation at site.



Photo 21: Bare areas at the site.



Photo 22: Main Sediment Dam



Photo 23: Co-Disposal Area



Photo 24: Retention pond requires removal of coal fines blocking filtering through coir logs (refer IMP REC 7).



Photo 25: Remove coal in dirty water drain adjacent to main haul road and clean water drain (refer IMP REC 8).



Photo 26: Desilting required in the Stockpile sediment ponds as over 50% of its capacity is covered in fines (refer IMP REC 9).



Photo 27: Area of established rehabilitation



Photo 28: Kerosene Vale – Consider the use of rock structure and/or coir logs in area of failed sediment fence (refer IMP REC 10).



Photo 29: Miscellaneous objects, concrete and stockpile at Kerosene Vale.



Photo 30: Removal of coal in the drain closer to LDP003 (refer IMP REC 11).



Photo 31: Removal of coal in the drain closer to LDP003 (refer IMP REC 11).



Photo 32: Bund at Kerosene Vale



Photo 33: Next Angus Place RMP to include removal of derelict buildings at Kerosene vale (refer IMP REC 17).



Photo 34: Area of grassland at Kerosene Vale



Photo 35: Old Building to be removed at Kerosene Vale, with details to be included in the Angus Place RMP (refer IMP REC 17).



Photo 36: Second Entry at Kerosene Vale.



Photo 37: Old Building to be removed at Kerosene Vale, and included in the Angus Place RMP (refer IMP REC 17).



Photo 38: Coir log to be moved back into place at LDP003 (refer IMP REC 12).



Photo 39: Ensure herbicides to be removed from site at LDP003 (complete)



Photo 40: Area to be hydromulched again at Western Coal Services Pit Top (refer IMP REC 13).



Photo 41: Hydrocarbons appropriately stored within bunded area at Western Coal Services Pit Top

APPENDIX B

Compliance Spreadsheet



Audit Scoring System

Based on 2015 IEA Guidelines

Compliance Assessment Criteria

Assessment	Criteria
Compliant	Where the auditor has collected sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory approval have been complied with within the scope of the audit.
Not verified	Where the auditor has not been able to collect sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory approval have been complied with within the scope of the audit. In the absence of sufficient verification the auditor may in some instances be able to verify by other means (visual inspection, personal communication, etc.) that a requirement has been met. In such a situation, the requirement should still be assessed as not verified. However, the auditor could note in the report that they have no reasons to believe that the operation is non-compliant with that requirement.
Non-compliant	Where the auditor has collected sufficient verifiable evidence to demonstrate that the intent of one or more specific elements of the regulatory approval have not been complied with within the scope of the audit.
Administrative non-compliance	A technical non-compliance with a regulatory approval that would not impact on performance and that is considered minor in nature (e.g. report submitted but not on the due date, failed monitor or late monitoring session). This would not apply to performance-related aspects (e.g. exceedance of a noise limit) or where a requirement had not been met at all (e.g. noise management plan not prepared and submitted for approval).
Not triggered	A regulatory approval requirement has an activation or timing trigger that had not been met at the time of the audit inspection, therefore a determination of compliance could not be made.
Observation	Observations are recorded where the audit identified issues of concern which do not strictly relate to the scope of the audit or assessment of compliance. Further observations are considered to be indicators of potential non-compliances or areas where performance may be improved.
Note	A statement or fact, where no assessment of compliance is required.

Risk Levels for Non - Compliance

Risk level	Colour code	Description
High		Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence
Medium		Non-compliance with: <ul style="list-style-type: none"> potential for serious environmental consequences, but is unlikely to occur; or potential for moderate environmental consequences, but is likely to occur
Low		Non-compliance with: <ul style="list-style-type: none"> potential for moderate environmental consequences, but is unlikely to occur; or potential for low environmental consequences, but is likely to occur
Administrative non-compliance		Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions)

Audit Period

The Audit period is 2 November 2018 (day after last audit completed) to 2 November 2021 (three years from last audit).

Site inspection/meeting was completed 7-9 December 2021. Any issues at site during the inspection were noted, however the defined audit period ended on November 2021. The delay to the site inspection is related to COVID 19.

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
SCHEDULE 2 - ADMINISTRATIVE CONDITIONS					
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT					
1	In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation, or rehabilitation of the development.	Compliant		No material harm to the environment during the audit period. PIRMP has not been required to be implemented. Evidence of general site management and maintenance activities.	
TERMS OF CONSENT					
2	The Applicant must carry out the development: (a) generally in accordance with the EIS and Statement of Commitments; and (b) in accordance with the conditions of this consent.	Compliant		The IEA has determined that the development has generally been carried out in accordance with the conditions of the consent, the EIS and the Statement of Commitments, during the audit period.	
	Notes: • The general layout of the development is shown in Appendix 3. • The Applicant's statement of commitments is shown in Appendix 8.	Note		Noted	
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 consent shall prevail to the extent of any inconsistency.	Note		Noted	
4	The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of: (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent; and (b) the implementation of any actions or measures contained in these documents.	Compliant		Management plans were updated during the audit period. Where feedback was received, this was incorporated into the final versions of the documents.	
LIMITS ON APPROVAL					
5	The Applicant may carry out coal transportation and processing operations on the site until 30 June 2039. <i>Note: Under this consent, the Applicant is required to rehabilitate the site and perform additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply in all other respects other than the right to conduct coal transportation and processing operations until the rehabilitation of the site and these additional undertakings have been carried out satisfactorily.</i>	Compliant		Within period	
Coal Processing					
6	A maximum of: (a) 9.5 million tonnes of coal may be received at the SCSS in any calendar year, including a maximum of: • 5.5 million tonnes of ROM coal from Springvale Coal Mine; • 4.0 million tonnes of ROM coal from Angus Place Colliery; • 1.5 million tonnes of coal from sources other than Springvale Coal Mine or Angus Place Colliery, including a maximum of: - 1.5 million tonnes of coal from Lidsdale Siding Coal Loader; and - 1.0 million tonnes of ROM coal from other sources; and (b) 7 million tonnes of ROM coal may be processed at the SCSS in any calendar year.	Compliant	Annual Reviews	(a) Total coal received was within the 9.5 Mt limit (2018: 3,819,988t, 2019: 2,248,377t, 2020: 3,963,823t) • Total ROM coal received from Springvale was within the 5.5Mt limit (2018: 3,819,988t, 2019: 2,034,351t, 2020: 2,965,382t); • No ROM coal was received from Angus Place during the audit period. • Total coal received from sources other than Springvale or Angus Place was within the 1.5Mt limit (2018: 0t, 2019: 0t, 2020: 998,441t); • Total coal received from Lidsdale Siding was within the 1.5Mt limit (2018: 0t, 2019: 205,564t, 2020: 998,441t); • Total ROM coal received from other sources was within the 1Mt limit (2018: 0t, 2019: 8,462t, 2020: 0t); (b) Volumes processed were all within the 7Mt limit (2018: 1,398,100t, 2019: 1,285,129t, 2020: 1,056,181t)	
Coal Transport					
7	The Applicant must ensure that all product coal is transported from the SCSS by conveyor.	Compliant	Site comms. Evidence in tonnage breakdown. Annual Reviews.	All product coal was transported from the SCSS by conveyor. No evidence of any other transport methods.	
8	The Applicant must ensure that not more than 6.3 million tonnes of coal is transported between the SCSS and the Lidsdale Siding Coal Loader in any calendar year.	Compliant	Annual Reviews (2018-2021)	Annual Reviews report the following (for calendar years): • 2018 CY - 0t • 2019 CY - 6,848t • 2020 CY - 0t All within the required limits.	
Residual Waste					
8A	The Applicant must not receive or emplace more than 0.35 megalitres per day (annual average) or 0.43 megalitres per day (daily maximum) of residual waste from the Springvale Water Treatment Project.	Compliant	Annual Returns Annual Reviews Website reports.	This relates to the water treatment plant. Annual Reviews report the following (all compliant): • 2018: Nil activity • 2019: Annual daily average = 0.09ML/day. Daily maximum = 0.43 ML. • 2020: Annual daily average = 0.23ML/day. Daily maximum = 0.43 ML.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
SURRENDER OF EXISTING DEVELOPMENT CONSENTS					
9	Prior to the end of December 2015, or as otherwise agreed by the Secretary, the Applicant must surrender all existing development consents or approvals that it holds for the site in accordance with section 104A of the EP&A Act.	Admin Non Compliance	Letter from CEY to DPIE dated 02/10/18 seeking surrender of DA06-0017. Letter from DPIE to CEY dated 10/12/18 accepting surrender of DA06-0017.	The surrender of DA06-0017 was completed in Dec 2018 (during the audit period), exceeding the 2015 deadline. No evidence has been provided regarding an extension granted by the Secretary, therefore <u>administrative non-compliance</u> , however no further recommendations.	
	<i>Note: This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under Part 4A of the EP&A Act. Surrender of a consent should not be understood as implying that works legally constructed under a valid consent can no longer be legally maintained or used.</i>	Note		Noted	
10	Prior to the surrender of any existing development consent, the conditions of this consent shall prevail to the extent of any inconsistency with the conditions of that consent.	Not triggered	Annual Reviews	No consents surrendered during the audit period (based on site discussions and as noted in Annual reviews)	
STRUCTURAL ADEQUACY					
11	The Applicant must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.	Not triggered	Annual Reviews	No construction during the audit period (based on site discussions and as noted in Annual reviews)	
	<i>Notes:</i> • Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.	Note		Noted	
DEMOLITION					
12	The Applicant must ensure that all demolition work is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	Not triggered	Annual Reviews	No demolition during the audit period (based on site discussions and as noted in Annual reviews)	
PROTECTION OF PUBLIC INFRASTRUCTURE					
13	Unless the Applicant and the applicable authority agree otherwise, the Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.	Not triggered	Site communications	Based on site discussions, this has not been triggered.	
	<i>Note: This condition does not apply to damage to roads caused as a result of general road usage.</i>	Note		Noted	
OPERATION OF PLANT AND EQUIPMENT					
14	The Applicant must ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Compliant	Various Toolbox Talks (Stage 2 Clean and Dirt Water Diversion, PIRMP, Waste MP, GW Monitoring Bore, Dam Desilting). Environmental Induction Assessment. Work Orders Spreadsheet x 2. TEOM and Met station calibration evidence. Noise monitoring calibration evidence in Noise monitoring reports. Inducted Contractors Spreadsheet. SCSO Training Skills Spreadsheet.	(a) Work orders provided as evidence of plant and equipment being maintained in a proper and efficient condition. (b) Training records provided as evidence of operation in a proper and efficient manner.	
STAGED SUBMISSION OF ANY STRATEGY, PLAN OR PROGRAM					
15	With the approval of the Secretary, the Applicant may submit any strategy, plan or program required by this consent on a progressive basis.	Compliant	Management plan submission letters.	Various management plans and programs submitted throughout the IEA period.	
	<i>Notes:</i> • While any strategy, plan or program may be submitted on a progressive basis, the Applicant will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times. • If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.	Note		Noted	
16	Until they are replaced by an equivalent strategy, plan or program approved under this consent, the Applicant must implement the existing strategies, plans or programs for the site that have been approved under existing development consents or approvals.	Compliant		All management plans and programs were adequately implemented during the audit period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action				
OTHER DEVELOPMENTS ON THE SCSS									
17	The Applicant must consult and engage with the proponents/applicants of other approved developments/projects on the SCSS, with the aim of maximising the outcomes of all developments/projects with respect to: <ul style="list-style-type: none">• operational efficiencies;• water, noise and air quality management;• biodiversity conservation;• rehabilitation; and• future land uses.	Compliant	Weekly and monthly consultation meetings between EA and Centennial (mostly relates to production and supply aspects). PowerPoint presentations from these meetings provided. Surface Water Transfer Agreement between EA and Centennial (May 2021)	Evidence provided shows environmental aspects are discussed with Energy Australia at the regular consultation meetings. Examples included Area 4 rehabilitation (Feb 2020 and Oct 2020), hydrogeology model update. Surface Water Transfer Agreement between EA and Centennial (May 2021) also provided.	IMP REC 1: Centennial to consult with Energy Australia and Council as part of the RMP preparation.				
SCHEDULE 3 - ENVIRONMENTAL PERFORMANCE CONDITIONS									
ACQUISITION ON REQUEST									
1	Upon receiving a written request for acquisition from an owner of the land listed in Table 1, the Applicant must acquire the land in accordance with the procedures in conditions 5-6 of Schedule 4. <i>Table 1: Land subject to acquisition upon request</i> <table><tr><th colspan="2">Property ID</th></tr><tr><td>B4 - Blackmans Flat</td><td>Mason (east) – Wolgan Road</td></tr></table> <i>Note: To interpret the locations referred to in Table 1 see the applicable figure in Appendix 4.</i>	Property ID		B4 - Blackmans Flat	Mason (east) – Wolgan Road	Not triggered	Annual reviews	Not triggered	
Property ID									
B4 - Blackmans Flat	Mason (east) – Wolgan Road								
ADDITIONAL MITIGATION UPON REQUEST									
2	Upon receiving a written request from the owner of any residence on the land listed in Table 1, the Applicant must implement additional noise mitigation measures (such as double glazing, insulation, and/or air conditioning) at the residence in consultation with the owner. These measures must be reasonable and feasible and directed towards reducing the noise impacts of the development on the residence. If within 3 months of receiving this request from the owner, the Applicant 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.	Not triggered	Annual reviews	Not triggered					
NOISE									
Construction Noise									
3	The Applicant must prepare and implement a Construction Noise Management Plan prepared in accordance with the EPA's Interim Construction Noise Guideline 2009 (or any relevant updated version), to the satisfaction of the Secretary. This plan must be prepared in consultation with the EPA, and be approved by the Secretary prior to commencing construction.	Not triggered	Noise Management Plan	Only construction is upgrades to the REA, which doesn't require a CNMP. No other construction during the audit period. NMP includes a trigger that a CNMP will be developed if any of the other aspects (washery, haul road, bridge, etc) are constructed.					
Construction Hours									
4	The Applicant may only undertake construction activities between the hours of 7am to 6pm Monday to Friday, and 8am to 1pm Saturday, with no construction activities on Sundays or public holidays, unless otherwise agreed to by the Secretary in accordance with condition 5 of Schedule 3.	Not triggered		Operation of the REA is considered general site operations, not constructions. Therefore not triggered.					
Out of Hours Construction Works									
5	If the Applicant proposes to undertake any construction works outside the hours specified in condition 4 of Schedule 3, then the Applicant must prepare and implement an Out of Hours Work Protocol for these works to the satisfaction of the Secretary. This protocol must be prepared in consultation with the EPA and the residents who would be affected by the noise generated by these works, and be consistent with the requirements of the ICNG. The Applicant must not carry out any out of hours construction works before this protocol has been approved by the Secretary.	Not triggered		No construction during the IEA period, therefore not triggered.					

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action																																																																																
Hours of Operation																																																																																					
6	<p>Except for the carrying out of construction, the Applicant must comply with the operating hours in Table 2.</p> <table><tr><td colspan="2">Table 2: Operating hours</td></tr><tr><td>Activity</td><td>Operating Hours</td></tr><tr><td>Coal transportation operations on the Wallerawang haul road</td><td><p>Truck movements restricted to the day period only prior to longwall extraction at the Angus Place Colliery.</p><p>Maximum of 3 trucks operating during the evening period following the commencement of longwall extraction at Angus Place Colliery.</p><p>No truck movements to occur in the night period.</p></td></tr><tr><td>Coal transportation operations on the Mount Piper haul road</td><td><p>Truck movements restricted to the day period only prior to longwall extraction at the Angus Place Colliery.</p><p>Maximum of 8 trucks operating during the evening period following the commencement of longwall extraction at Angus Place Colliery.</p><p>Maximum of 2 trucks operating during the night period.</p><p>No truck movements to occur in the night period during adverse meteorological conditions.</p></td></tr><tr><td>Kerosene Vale Coal Stockpile operations</td><td>During the day period only</td></tr><tr><td>All other operational activities</td><td>24 hours a day, 7 days per week</td></tr></table>	Table 2: Operating hours		Activity	Operating Hours	Coal transportation operations on the Wallerawang haul road	<p>Truck movements restricted to the day period only prior to longwall extraction at the Angus Place Colliery.</p> <p>Maximum of 3 trucks operating during the evening period following the commencement of longwall extraction at Angus Place Colliery.</p> <p>No truck movements to occur in the night period.</p>	Coal transportation operations on the Mount Piper haul road	<p>Truck movements restricted to the day period only prior to longwall extraction at the Angus Place Colliery.</p> <p>Maximum of 8 trucks operating during the evening period following the commencement of longwall extraction at Angus Place Colliery.</p> <p>Maximum of 2 trucks operating during the night period.</p> <p>No truck movements to occur in the night period during adverse meteorological conditions.</p>	Kerosene Vale Coal Stockpile operations	During the day period only	All other operational activities	24 hours a day, 7 days per week	Compliant	<ul style="list-style-type: none">Annual Reviews 2018-2020Haulage Management StandardRoad Haulage Code of ConductTruck Weight records spreadsheets 2018-2021.	<p>Coal has been transported along the Wallerawang Haul Road during the IEA period. Coal transportation and timing records provided. Haulage Management Standard and Code of Conduct outline vehicle limits and time restrictions for drivers.</p> <p>Operations during the audit period:</p> <ul style="list-style-type: none">2018 - No trucks from Clarence.2019 - Trucking of fines from Clarence to Kerosene Vale, then from Kerosene Vale to Mt Piper.2020 - No trucks from Clarence.2021 - No trucks from Clarence <p>Route trucks took from Clarence was via Mount Victoria. It would take approximately 1 hour from Clarence to the Haul Road. Clarence "Road Haulage Code of Conduct" and 'Haulage Management Standard' provided.</p>																																																																					
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7	<p>Except for the carrying out of construction, and for the land in Table 1, the Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 3 at any residence on privately-owned land.</p> <p>Noise Criteria</p> <p>7. Except for the carrying out of construction, and for the land in Table 1, the Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 3 at any residence on privately-owned land.</p> <table><tr><td colspan="5">Table 3: Noise criteria dB(A)</td></tr><tr><td>Land</td><td>Day LAeq(15 min)</td><td>Evening LAeq(15 min)</td><td>Night LAeq(15 min)</td><td>Night LA1 (1 min)</td></tr><tr><td>B12</td><td>40</td><td>35</td><td>35</td><td>47</td></tr><tr><td>B13</td><td>41</td><td>36</td><td>36</td><td>50</td></tr><tr><td>B14</td><td>41</td><td>35</td><td>35</td><td>55</td></tr><tr><td>B15</td><td>36</td><td>35</td><td>35</td><td>45</td></tr><tr><td>B16</td><td>35</td><td>35</td><td>36</td><td>45</td></tr><tr><td>B17</td><td>42</td><td>44</td><td>45</td><td>45</td></tr><tr><td>W1</td><td>37</td><td>37</td><td>41</td><td>45</td></tr><tr><td>W2</td><td>35</td><td>35</td><td>36</td><td>45</td></tr><tr><td>L1</td><td>42</td><td>35</td><td>35</td><td>45</td></tr><tr><td>L2</td><td>40</td><td>39</td><td>35</td><td>45</td></tr><tr><td>WR1</td><td>41</td><td>38</td><td>36</td><td>57</td></tr><tr><td>WR2</td><td>38</td><td>37</td><td>35</td><td>48</td></tr><tr><td>S3</td><td>36</td><td>36</td><td>39</td><td>45</td></tr><tr><td>All other privately-owned residences</td><td>35</td><td>35</td><td>35</td><td>45</td></tr></table> <p>Note: To interpret the locations referred to in Table 3 see the applicable figure in Appendix 4.</p>	Table 3: Noise criteria dB(A)					Land	Day LAeq(15 min)	Evening LAeq(15 min)	Night LAeq(15 min)	Night LA1 (1 min)	B12	40	35	35	47	B13	41	36	36	50	B14	41	35	35	55	B15	36	35	35	45	B16	35	35	36	45	B17	42	44	45	45	W1	37	37	41	45	W2	35	35	36	45	L1	42	35	35	45	L2	40	39	35	45	WR1	41	38	36	57	WR2	38	37	35	48	S3	36	36	39	45	All other privately-owned residences	35	35	35	45	Compliant	<p>Monthly Compliance Noise Monitoring Reports (to Aug 2021).</p> <p>Monthly Overland Conveyor System Noise Monitoring Reports (to Aug 2021).</p> <p>Quarterly Wallerawang Haul Road Noise Monitoring reports.</p> <p>Annual Reviews.</p>	<p>Operator-attended noise monitoring is undertaken at the four focus locations identified as WNM1 to WNM4 in the approved Western Region Noise Management Plan, which represent B12/13, B14, B15 and B16.</p> <p>Receivers B17, W1, W2, L1 and L2, WR1, WR2, S3 are related to the overland conveyor and haul roads, and noise criteria no longer apply to these locations (following approval of the August 2018 WRNMP).</p> <p>During the reporting period there were no exceedances of noise monitoring criteria.</p>	
Table 3: Noise criteria dB(A)																																																																																					
Land	Day LAeq(15 min)	Evening LAeq(15 min)	Night LAeq(15 min)	Night LA1 (1 min)																																																																																	
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W1	37	37	41	45																																																																																	
W2	35	35	36	45																																																																																	
L1	42	35	35	45																																																																																	
L2	40	39	35	45																																																																																	
WR1	41	38	36	57																																																																																	
WR2	38	37	35	48																																																																																	
S3	36	36	39	45																																																																																	
All other privately-owned residences	35	35	35	45																																																																																	
	Noise generated by the development is to be measured in accordance with the relevant requirements of the NSW Industrial Noise Policy. Appendix 5 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria. However, these criteria do not apply:	Compliant	Noise monitoring results.	<p>Noise monitoring reports refer to compliance with the NSW Noise Policy for Industry (formerly the INP).</p> <p>There were some previous non-compliances related to the conveyor noise. It is noted that the noise risk has reduced due to the removal of the conveyor from these conditions. During 2020 and 2021 monthly conveyor noise monitoring was undertaken at 6 locations (locations WNRSN1-6). The purpose of this monitoring was to compare against the predictions in the WCS Overland Conveyor System Noise Reduction Study 2018 (not compliance monitoring).</p>																																																																																	
	<ul style="list-style-type: none">to noise generated by the operation of the overland coal conveyor, Wallerawang haul road or Mount Piper haul road; orif the Applicant has an agreement with the owner/s of the relevant residence or land to generate higher noise levels, and the Applicant has advised the Department in writing of the terms of this agreement.																																																																																				

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Operating Conditions					
8	The Applicant must: (a) implement best management practice to minimise the construction, operational and road noise of the development; (b) operate a comprehensive noise management system that uses a combination of predictive meteorological forecasting and real-time noise monitoring data to guide the day-to-day planning of coal transport and processing operations, and the implementation of both proactive and reactive noise mitigation measures to ensure compliance with the relevant conditions of this consent; (c) minimise the noise impacts of the development during meteorological conditions under which the noise limits in this consent do not apply (see Appendix 5); (d) co-ordinate noise management on site with the noise management of other approved developments and/or projects on or in the vicinity of the site to minimise cumulative noise impacts; and (e) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.	Low Non-Compliance	<ul style="list-style-type: none"> Site discussions with Glen Anderson. Energy Australia consultation meeting Presentations. Western Region Noise Management Plan, (Feb 2021) <ul style="list-style-type: none"> Daily weather forecast reports. Daily meeting minutes. 	<p>(a) No construction during the audit period. Operational noise is managed through the Noise Management Plan and monitored. Road noise is monitored quarterly along the Wallerawang Haul Road and noise mitigation measures are outlined in the driver Code of Conduct. No noise exceedances or complaints during the audit period.</p> <p>(b) Site operates a noise management system that predicts temperature inversions. Noise is discussed in the morning meetings. Noise compass wind directions/temperature inversions used as a predictive tool for operations. Uses a traffic light system for risk level.</p> <p>(c) Site operates a manual system of checking daily weather forecasts to determine days when meteorological criteria may not apply (e.g. during wind speeds and temperature inversions). No evidence was provided to show that site are alerted in real time. Improvement recommendation has been made for use of real time alerts.</p> <p>(d) There are regular consultation meetings with Energy Australia (minutes provided), however no evidence was provided to verify that cumulative noise impacts are coordinated between the two sites. Therefore <u>low non-compliance</u>.</p> <p>(e) Noise monitoring is carried out monthly at the site, and quarterly at the Wallerawang Haul Road. No exceedances of noise criteria during the audit period.</p>	<p>NC REC 1: Include cumulative noise management as a regular item on the agenda for the Energy Australia consultation meetings.</p> <p>IMP REC 2: To cover Condition 8(c), implement a system where alerts are sent to site when meteorological conditions mean that noise limits in do not apply (e.g. high wind speeds, temperature inversions).</p>
Noise Reduction Study					
8A	The Applicant must prepare and implement a noise reduction study for the overland coal conveyor and SCSS to the satisfaction of the Secretary. The study must: (a) be prepared in consultation with the EPA, and be submitted to the Secretary for approval by the end of February 2018, unless otherwise agreed by the Secretary; (b) identify sensitive receptors and existing noise levels in the vicinity of the overland coal conveyor and SCSS; (c) investigate and propose reasonable and feasible measures to mitigate noise associated with the overland coal conveyor and SCSS, including but not necessarily limited to: • low noise idlers, barriers or other measures on sections of the conveyor system; and • cladding, attenuated plant or other measures at the CHPP; (d) predict changes in noise levels in the vicinity of the overland coal conveyor and SCSS associated with the proposed noise mitigation measures; and (e) provide a maintenance schedule for the overland coal conveyor to be implemented in the Noise Management Plan (see condition 9 below).	Compliant	<ul style="list-style-type: none"> Letter from Centennial to EPA seeking feedback on the Noise Reduction Study, dated 26/02/18. Letter from EPA to Centennial, providing feedback on the Noise Reduction Study, dated 01/03/18. Letter from Centennial to DPIE seeking approval for Noise Reduction Study, dated 2/3/18. Letter from DPIE to Centennial approving Noise Reduction Study, dated 7/9/18. Noise Reduction Study, April 2020 Completion update. EPA removed the relevant condition from the EPL in response to completion of the NRS. 	<p><u>Preparation:</u></p> <p>(a) Noise Reduction Study (NRS) is included as Appendix F2 of the Western Region Noise Management Plan. Evidence of consultation with EPA during preparation of NRS has been provided. Submitted for approval 2/3/18 (exceeding the February 2018 deadline, however it was prior to the audit period, therefore no further recommendations). Approved in a letter from DPIE dated 7/9/18.</p> <p>(b) Sensitive receptors and existing noise levels identified in Section 3 of NRS</p> <p>(c) Noise mitigation measures included in Section 4 of NRS.</p> <p>(d) Noise predictions included in Section 4 of NRS.</p> <p>(e) Maintenance schedule included in Section 4 of NRS.</p> <p><u>Implementation:</u></p> <p>Evidence of communication of noise mitigation measures to the community have been provided.</p> <p>2018-19 Annual Reviews track commitments from the NRS.</p>	
Noise Management Plan					
9	The Applicant must prepare and implement a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with the EPA, and submitted to the Secretary for approval within 4 months of the date of this consent, unless otherwise agreed by the Secretary; (b) describe the measures that would be implemented to ensure compliance with the noise criteria and operating conditions in this consent; (c) describe the proposed noise management system in detail; (d) include a monitoring program that: • evaluates and reports on: - the effectiveness of the on-site noise management system; - compliance against the noise criteria in this consent; and - compliance with the noise operating conditions; • includes a program to calibrate and validate real-time noise monitoring results with attended monitoring results over time (so the real-time noise monitoring program can be used as a better indicator of compliance with the noise criteria and as a trigger for further attended monitoring); and • defines what constitutes a noise incident, and includes a protocol for identifying and notifying the Department and relevant stakeholders of any noise incidents; and (e) detail a maintenance schedule for the overland coal conveyor.	Compliant	<ul style="list-style-type: none"> Western Region Noise Management Plan (June 2018) Approval letter from DPIE for June 2018 NMP (dated 4/7/18) Western Region Noise Management Plan, (Feb 2021) Approval letter from DPIE for Feb 2021 NMP (dated 5/2/2021). Noise Mitigation Program, Dec 2018 update. Noise Mitigation Program, Aug 2019 update. Noise Reduction Study, April 2020 Completion update. Quarterly Wallerawang Haul Road Noise Monitoring Reports (Q4 2018 to Q3 2021). 	<p>Two Western Region Noise Management Plans (NMP) were in place during the audit period. June 2018 version approved in letter dated 4/7/18 and February 2021 version approved in letter dated 5/2/2021 (for Lidsdale).</p> <p><u>Preparation (2021 Version)</u></p> <p>a) EPA Consultation included as Appendix H.</p> <p>b) Noise compliance measures included in Section 3.</p> <p>c) Noise management system described in Section 3.</p> <p>d) Noise monitoring program described in Section 4, Appendix F1, Section 6.</p> <p>e) Maintenance schedule included in Appendix F2 Section 11.</p> <p><u>Implementation</u></p> <p>Quarterly Wallerawang Haul Road noise monitoring reports provided.</p> <p>Evidence of communication of noise mitigation measures to the community have been provided.</p> <p>Annual Reviews include a summary of noise mitigation works completed (e.g. cladding).</p> <p>Noise reduction Study works as per Condition 8A above.</p> <p>Noise was observed to be managed well during the site inspection.</p> <p>Real time noise monitoring system is used for management purposes only (not compliance). Currently not connected to CITECT, no alarms, etc.</p> <p>There were a number of noise complaints at the beginning of the IEA period (41 between Nov 2018 and Dec 2019) however no noise complaints in 2020 or 2021. IEMA understands that these complaints were all made by the one complainant.</p>	
BLASTING					
Restriction on Blasting					
10	The Applicant must only carry out blasting on site to construct the Link Haul Road and only between 9 am and 5 pm Monday to Saturday inclusive. No blasting is allowed on Sundays, public holidays, or at any other time without the written approval of the Secretary.	Not triggered		No blasting during the audit period.	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action																							
Operating Conditions																												
11	The Applicant must: (a) implement best blasting management practice to: • protect the safety of people in the surrounding area; • protect public infrastructure and private property in the surrounding area from any damage; and • minimise the dust and fume emissions of any blasting; (b) minimise the frequency and duration of any required road closures; (c) consult with, and obtain the approval of, the RMS for any blasts within 500 metres of the Castlereagh Highway; and (d) operate a suitable system to enable the public to get up-to-date information on the proposed blasting schedule on site, to the satisfaction of the Secretary.	Not triggered		No blasting during the audit period.																								
AIR QUALITY																												
Odour																												
12	The Applicant must ensure that no offensive odours, as defined under the POEO Act, are emitted by the development.	Not triggered		No odour complaints/issues.																								
Air Quality Criteria																												
13	<div>The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Tables 4, 5 and 6 at any residence on privately-owned land.</div> <div>Table 4: Long-term criteria for particulate matter</div> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>^d Criterion</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></table> <div>Table 5: Short-term criteria for particulate matter</div> <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>^a 50 µg/m³</td></tr></table> <div>Table 6: Long-term criteria for deposited dust</div> <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> <div>Notes to Tables 4 - 6: <i>a</i> Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources). <i>b</i> Incremental impact (i.e. incremental increase in concentrations due to the development on its own). <i>c</i> 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. <i>d</i> Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary. <i>e</i> "Reasonable and feasible avoidance measures" includes, but is not limited to, the operational requirements in condition 17 to develop and implement a real-time air quality management system that ensures operational responses to the risks of exceedance of the criteria.</div>	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	Pollutant	Averaging Period	^d Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m³	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	Compliant	Air quality monitoring spreadsheets. Annual Reviews.	Site operates three depositional dust gauges (DG3, DG4 & DG5) and one TEOM which monitors PM10. Site calculates TSP based on the PM10 results (approved as per AQMP). Exceedances are reported to DPIE, and it is noted if these relate to extraordinary events (e.g. bushfires, dust storms). These elevate results are also reported in the Annual Reviews. No significant TEOM outages during the audit period.	
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																										
Pollutant	Averaging Period	^d Criterion																										
Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m³																										
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																									
		Note		Noted																								



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action																										
Mine-owned Land																															
14	The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Tables 4, 5 and 6 at any occupied residence on mine-owned land unless: (a) the tenant and landowner (if the residence is owned by another mining or power generation company) have been notified of any health risks associated with such exceedances in accordance with the notification requirements under Schedule 4 of this consent; (b) the tenant of any land owned by the Applicant can terminate their tenancy agreement without penalty at any time, subject to giving reasonable notice; (c) air mitigation measures such as air filters, a first flush roof water drainage system and/or air conditioning) are installed at the residence, if requested by the tenant or landowner (if the residence is owned by another mining or power generation company); (d) air quality monitoring is regularly undertaken to inform the tenant or landowner (if the residence is owned by another mining or power generation company) of the actual particulate emissions at the residence; and (e) data from this monitoring is presented to the tenant or landowner in an appropriate format for a medical practitioner to assist the tenant and/or landowner (if the residence is owned by another mining or power generation company) in making informed decisions on health risks associated with occupying the property, to the satisfaction of the Secretary.	Not triggered		No air quality exceedances.																											
Air Quality Acquisition Criteria																															
15	<p>If particulate matter emissions generated by the development exceed the criteria, or contribute to an exceedance of the relevant cumulative criteria, in Tables 7, 8 or 9, at any residence on privately-owned land, then upon receiving a written request for acquisition from the landowner the Applicant must acquire the land in accordance with the procedures in conditions 5-6 of Schedule 4.</p> <p><i>Table 7: Long term land acquisition criteria for particulate matter</i></p> <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></table> <p><i>Table 8: Short term land acquisition criteria for particulate matter</i></p> <table><tr><th><i>Pollutant</i></th><th><i>Averaging period</i></th><th><i>^d Criterion</i></th></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>^a 150 µg/m³</td></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>^b 50 µg/m³</td></tr></table> <p><i>Table 9: Long term land acquisition criteria for deposited dust</i></p> <table><tr><th><i>Pollutant</i></th><th><i>Averaging period</i></th><th><i>Maximum increase in deposited dust level</i></th><th><i>Maximum total deposited dust level</i></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> <p><i>Notes to Tables 7-9:</i> <i>a Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources);</i> <i>b Incremental impact (i.e. incremental increase in concentrations due to the development on its own);</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;</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></p>	<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	<i>Pollutant</i>	<i>Averaging period</i>	<i>^d Criterion</i>	Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 150 µg/m³	Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m³	<i>Pollutant</i>	<i>Averaging period</i>	<i>Maximum increase in deposited dust level</i>	<i>Maximum total deposited dust level</i>	^c Deposited dust	Annual	^b 2 g/m²/month	^a 4 g/m²/month	Not triggered	• Various TEOM calibration records.	No acquisitions	
<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																													
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Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 150 µg/m³																													
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<i>Pollutant</i>	<i>Averaging period</i>	<i>Maximum increase in deposited dust level</i>	<i>Maximum total deposited dust level</i>																												
^c Deposited dust	Annual	^b 2 g/m²/month	^a 4 g/m²/month																												
		Note		Noted																											

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Operating Conditions					
16	<p>The Applicant must:</p> <p>(a) implement best practice management to minimise the off-site odour, fume and dust emissions of the development;</p> <p>(b) implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site;</p> <p>(c) minimise the surface disturbance of the site;</p> <p>(d) minimise any visible off-site air pollution generated by the development;</p> <p>(e) operate a comprehensive air quality management system that uses a combination of predictive meteorological forecasting, predictive air dispersion modelling and air quality monitoring data to guide the day-to-day planning of coal transportation and processing operations and implementation of both proactive and reactive air quality mitigation measures to ensure compliance with the relevant conditions of this consent; and</p> <p>(f) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d to Tables 7-9 above), to the satisfaction of the Secretary.</p>	Low Non-Compliance	<ul style="list-style-type: none"> Site comms with Glen Anderson and Will Olson. Dust Risk Reports (12-14 Feb 2021 and 17-20 Dec 2021). Daily Meeting Minutes (12/02/2021). Water cart hours of operation (two available). Email dated 21/12/21 listing water cart running hours in Dec 2019 (during bushfires). Email from Envirosuite dated 17/12/21 outlining the definitions for different dust risk levels. 	<p>(a) No instances of offsite odour, fume or dust emissions from the project. No complaints. No exceedances of criteria or non-compliance. Site inspection observed dust to be managed well. No odour/fume observed while on site.</p> <p>(b) Greenhouse gas emissions are limited to mobile plant, which are only operated as required. Emissions are reported through the NGERs program.</p> <p>(c) Surface disturbance is largely restricted to existing operations. No clearing of undisturbed areas during the audit period.</p> <p>(d) No visible offsite air pollution observed during the site inspection. No complaints relating to visual impact or air quality.</p> <p>(e) • <u>Predictive meteorological forecasting</u> is used to generate daily Dust Risk Reports, which are presented in the morning meetings (minutes provided). Water carts and stockpile sprays are implemented on high risk days. Stockpile sprays are automatic, through CITECT.</p> <p>• <u>No predictive air dispersion modelling</u>. Therefore <u>low non compliance</u>.</p> <p>• <u>Air quality monitoring data</u> is collected at the site. TARP relates to PM10 triggers. No exceedances/non-compliances during the audit period.</p> <p>(f) Evidence was provided to show that during extraordinary events (e.g. 2019 bushfires) additional water carts were implemented to minimise air quality impacts of the development.</p>	NC REC 2: In consultation with an air quality specialist develop and implement a system of predictive air dispersion modelling as required under Condition 16(e).
Air Quality Management Plan					
17	<p>The Applicant must prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with the EPA, and submitted to the Secretary for approval within 4 months of the date of this consent, unless otherwise agreed by the Secretary;</p> <p>(b) describe the measures that would be implemented to ensure compliance with the relevant air quality criteria and operating conditions of this consent;</p> <p>(c) describe the proposed air quality management system; and</p> <p>(d) include an air quality monitoring program that:</p> <ul style="list-style-type: none"> uses a combination of at least one tapered element oscillating microbalance air quality monitor, sited in the vicinity of Blackmans Flat, and supplementary monitors to evaluate the performance of the development against the air quality criteria in this consent; adequately supports the proactive and reactive air quality management system; evaluates and reports on: <ul style="list-style-type: none"> the effectiveness of the air quality management system; and compliance with the air quality operating conditions; and defines what constitutes an air quality incident, and includes a protocol for identifying and notifying the Department and relevant stakeholders of any air quality incidents. 	Compliant	<ul style="list-style-type: none"> Western Region AQGGMP (June 2018) Approval letter from DPIE for June 2018 AQGGMP (dated 4/7/18) Western Region AQGGMP, (April 2021) Approval letter from DPIE for April 2021 AQGGMP (dated 10/5/2021). Various dust forecast records. Various meeting minutes for the 24h Safety, Operational, Engineering Review Meetings. 	<p>Two Western Region Air Quality and Greenhouse Gas Management Plans (AQGGMP) were in place during the audit period. June 2018 version approved in letter dated 4/7/18 and April 2021 version approved in letter dated 10/5/2021. Appendix F relates to Western Coal Services. noted that there are no Greenhouse Gas requirements for Western Coal Services.</p> <p><u>Preparation (2021 Version)</u></p> <p>a) EPA consultation included as Appendix H. Original version submitted 4/8/14 (within required timeframe).</p> <p>b) Air quality management measures included in Section 3.1 and Appendix F.</p> <p>c) Air Quality Management System included in Section 3.</p> <p>d) Air quality monitoring program outlined in Section4 and Appendix F. Incidents outlined in Section 6.</p> <p><u>Implementation</u></p> <ul style="list-style-type: none"> Site prepares dust risk reports. 24h Safety, Operational, Engineering Review Meetings review dust risks and note any required responses e.g. use of the water carts. Notifications to DPIE (and responses) when there is an exceedance attributed to a regional dust event/bushfire etc. 	
METEOROLOGICAL MONITORING					
18	<p>For the life of the development, the Applicant must ensure that there is a meteorological station in the vicinity of the site that:</p> <p>(a) complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline; and</p> <p>(b) is capable of continuous real-time measurement of temperature lapse rate in accordance with the NSW Industrial Noise Policy, unless a suitable alternative is approved by the Secretary following consultation with the EPA.</p>	Compliant	<ul style="list-style-type: none"> Various met station calibration records. Met station monitoring data spreadsheets. 	<p>Met station exists on the site (WCS AWS).</p> <p>(a) Calibration records provided, which note that the station complies with the EPA Approved Methods.</p> <p>(b) Real time meteorological monitoring data spreadsheets reviewed. No significant outages during IEA period.</p>	
SOIL AND WATER					
Water Supply					
19	<p>The Applicant must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of operations on site to match its available water supply.</p> <p><i>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development.</i></p>	Compliant	Site comms.	No water licences. Sufficient water available on site for operations.	
		Note		Noted.	
Water Pollution					
20	Unless an EPL authorises otherwise, the Applicant must comply with Section 120 of the POEO Act.	Compliant	EPL Annual Returns.	No non-compliances with POEO Act. Retention dam sampling is undertaken.	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action																		
Remediation of Soil Contamination																							
21	Within 4 months of the date of this consent, unless otherwise agreed by the Secretary, the Applicant must commence a Phase 2 Contamination Assessment for the SCSS.	Compliant	2016 Western Coal IEA.	This condition was completed prior to the audit period and assessed as compliant in the 2016 IEA.																			
22	The Applicant must manage the remediation of the SCSS and the Kerosene Vale Coal Stockpile Area to the satisfaction of the EPA.	Compliant	<ul style="list-style-type: none">Letter from Centennial to EPA regarding Site Contamination Notifications dated 2/2/12.Letter from EPA to Centennial regarding Site Contamination Notifications dated 6/7/12.WCS Targeted Phase 2 Environmental Site Assessment sent to EPA 03/06/15.Follow up email from Centennial dated 15/8/19.Response letter from EPA regarding WCS contamination assessments, dated 2/10/2019.Letter dated 20/05/2020 from Centennial responding to EPAs comments (in the 2/10/19 letter).Kerosene Vale Phase 2 ESA (AECOM, 2012)<ul style="list-style-type: none">Kerosene Vale Interim Asbestos Management Plan (AECOM, 2013)Kerosene Vale Asbestos Assessment Report (AECOM, 2013)Letter from AECOM to Centennial "Additional Contamination Investigation, Former Kerosene Vale Colliery, Lidsdale, NSW" dated 15/18/12	<u>Western Coal Services:</u> The EPA provided feedback on the WCS contamination assessment and proposed actions in a letter dated 2/10/19, also seeking clarification on a number of aspects. Centennial provided this clarification in a letter dated 20/5/20. No further response provided from EPA. <u>Kerosene Vale:</u> 2012-2013 AECOM contamination assessments provided for Kerosene Vale (Phase 2 ESA, Interim Asbestos Management Plan, Asbestos Assessment Report, Additional Contamination Investigation). Prior to audit period.																			
23	<p>The Applicant must comply with the performance measures in Table 10 to the satisfaction of the Secretary.</p> <p>Table 10: Water Management Performance Measures</p> <table><tr><th>Feature</th><th>Performance Measure</th></tr><tr><td>Potable Water</td><td><ul style="list-style-type: none">Minimise the use of potable water for purposes where non-potable water is acceptable</td></tr><tr><td>Construction and operation</td><td><ul style="list-style-type: none">Design, install and maintain erosion and sediment controls generally in accordance with the series <i>Managing Urban Stormwater: Soils and Construction</i> including Volume 1, Volume 2A – <i>Installation of Services</i> and Volume 2C – <i>Unsealed Roads</i>, or its latest versionDesign, install and maintain all works within 40 m of watercourses generally in accordance with the <i>Guidelines for Controlled Activities on Waterfront Land (DPI 2012)</i>, or its latest version</td></tr><tr><td></td><td><ul style="list-style-type: none">Design, installation and maintenance of creek crossings generally in accordance with the <i>Policy and Guidelines for Fish Friendly Waterway Crossings</i> (NSW Fisheries, 2003) and <i>Why Do Fish Need To Cross The Road? Fish Passage Requirements for Waterway Crossings</i> (NSW Fisheries 2003), or their latest versions</td></tr><tr><td>Sediment Dams</td><td><ul style="list-style-type: none">Design, install and maintain dams generally in accordance with <i>Managing Urban Stormwater: Soils and Construction – Volume 1 and Volume 2E Mines and Quarries</i>, or its latest version</td></tr><tr><td>Clean water diversions & storage infrastructure</td><td><ul style="list-style-type: none">Design, install and maintain the clean water system to capture and convey the 100 year ARI flood, as far as is reasonable and feasibleMaximise diversion of clean water around disturbed areas, as far as is reasonable and feasible</td></tr><tr><td>Mine-water storages</td><td><ul style="list-style-type: none">Design, install and maintain the mine-water storage infrastructure to store all runoff from a 95 percentile 5 day rain eventPrevent seepage from the DML and Cooks Dams to the surface, as far as is reasonable and feasible</td></tr><tr><td>Chemical and hydrocarbon storage</td><td><ul style="list-style-type: none">Chemical and hydrocarbon products to be stored in bunded areas in accordance with the relevant Australian Standards</td></tr><tr><td>Aquatic and riparian ecosystems, including affected sections of Wangcol and Lamberts Gully Creeks</td><td><ul style="list-style-type: none">Maintain or improve baseline channel stabilityDevelop site-specific in-stream water quality objectives in accordance with ANZECC 2000 and <i>Using the ANZECC Guidelines and Water Quality Objectives in NSW</i> procedures (DECC 2006), or its latest version</td></tr></table>	Feature	Performance Measure	Potable Water	<ul style="list-style-type: none">Minimise the use of potable water for purposes where non-potable water is acceptable	Construction and operation	<ul style="list-style-type: none">Design, install and maintain erosion and sediment controls generally in accordance with the series <i>Managing Urban Stormwater: Soils and Construction</i> including Volume 1, Volume 2A – <i>Installation of Services</i> and Volume 2C – <i>Unsealed Roads</i>, or its latest versionDesign, install and maintain all works within 40 m of watercourses generally in accordance with the <i>Guidelines for Controlled Activities on Waterfront Land (DPI 2012)</i>, or its latest version		<ul style="list-style-type: none">Design, installation and maintenance of creek crossings generally in accordance with the <i>Policy and Guidelines for Fish Friendly Waterway Crossings</i> (NSW Fisheries, 2003) and <i>Why Do Fish Need To Cross The Road? 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NC REC: Complete the required aquatic and riparian ecosystem monitoring for Lamberts Gully Creek. Specific trigger values).	The required performance measures were generally implemented during the audit period, however there was no evidence of Lamberts Gully Creek monitoring or channel stability monitoring. <u>Therefore low non-compliance.</u> It was noted that there have been a significant number of improvements to the water management system on site since the previous audit.	NC REC 3: Complete the required channel stability monitoring for Lamberts Gully Creek and Wangcol Creek.
Feature	Performance Measure																						
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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Water Management Plan					
24	<p>The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with the EPA, WaterNSW, DPIE – Water, LCC, Forestry Corporation of NSW and Energy Australia by suitably qualified and experienced person/s whose appointment has been approved by the Secretary;</p> <p>(b) be submitted to the Secretary for approval within 4 months of the date of this consent, unless otherwise agreed by the Secretary; and</p> <p>(c) include a:</p> <p>(i) Site Water Balance, that:</p> <ul style="list-style-type: none">includes details of:<ul style="list-style-type: none">sources and security of water supply, including contingency supply for future reporting periods;water use and management on site;any off-site water discharges; andreporting procedures, including the preparation of a site water balance for each calendar year; andinvestigates and implements all reasonable and feasible measures to minimise potable water use and to re-use and recycle water;	Low Non-Compliance	<ul style="list-style-type: none">Western Coal Services WMP, (August 2014) unapproved.DPIE Endorsement letter for GHD to prepare the WMP, dated 23/12/16.Western Coal Services WMP (Oct 2017)WMP Submission letter to DPIE dated 18/10/2017.Western Coal Services WMP, (Feb 2019) Unapproved.Western Coal Services Site Water and Salt Balance (April 2020)Western Coal Services Site Water and Salt Balance (March 2021)Copies of PowerPoint presentations from Area 4 Rehabilitation (Feb & Oct 2020) and Hydrogeology Model provided. Annual reviews include trigger levels for investigating impacts.	<p>Three versions of the Western Coal Services Water Management Plans (WMP) have been developed for the site. August 2014 version (unapproved), unapproved October 2017 version (submitted for approval 18/10/17) and unapproved February 2019 (submitted for approval 15/03/2019). This audit has only assessed the 2014 version.</p> <p><u>Preparation (2014 Version) -</u></p> <p>a) Consultation outlined in Section 1.4 of WMP.</p> <p>b) WMP submitted in August 2014 (within required submission timeframe).</p> <p>c) (i) Site Water Balance provided in Section 7, and annual updates provided for 2020 and 2021.</p> <p>(ii) • Surface Water Management Plan included in the following section 6., baseline data in Section 9, triggers in Section 11, Monitoring and reporting included as Section 10 & 12.</p> <p>(iii) Baseline Groundwater Data Section 3, Groundwater Criteria Section 10.1, Groundwater monitoring Section 8, Validation Section 10 & 12.3, exceedances of criteria Section 11.</p> <p>(iv) Protocol for managing cumulative impacts Section 12.4.</p> <p><u>Implementation</u></p> <ul style="list-style-type: none">Non - compliance for implementation. No evidence of Lamberts Gully Creek monitoring or channel stability monitoring.Some other minor improvement recommendations are included in Section 7 of the Audit Report.Annual water and salt balance provided for 2020 and 2021.Vista Data Vision shows current water level in dams, flow rate, water quality specs, etc.Water quality trigger levels are included in the 2014 and 2019 Water MPs. Site completes monitoring and implements TARPs as per the 2019 MP, noting that this goes above and beyond commitments made in the 2014 Water MP. TARP includes notification requirements to various agencies (Water NSW, DPIE, EPA, etc.)Noted that a new WMP is currently being prepared.Copies of PowerPoint presentations from Area 4 Rehabilitation (Feb & Oct 2020) and Hydrogeology Model provided.Annual Reviews include surface and groundwater monitoring data and analysis.Water MP notes that there are no GDEs in the vicinity.	<p>As per NC REC 3 for Cond 23 above.</p>
	<p>(ii) Surface Water Management Plan, that includes:</p> <ul style="list-style-type: none">detailed baseline data on water flows and quality in the watercourses that could potentially be affected by the development;a detailed description of the SCSS water management system, including the:<ul style="list-style-type: none">clean water diversion systems;erosion and sediment controls; andmine-water management systems;detailed plans, including design objectives and performance criteria for:<ul style="list-style-type: none">design and management for the emplacement of coal reject materials and potential acid-forming or sulphate-generating materials;management of sodic and dispersible soils;reinstatement of appropriate drainage lines on the rehabilitated areas of the site; andcontrol of any potential water pollution from the rehabilitated areas of the site;performance criteria for the following, including trigger levels for investigating any associated potentially adverse impacts:<ul style="list-style-type: none">SCSS water management system;downstream surface water quality; andstream and riparian vegetation health for the Wangcol and Lamberts Gully Creeks;a program to monitor and report on:<ul style="list-style-type: none">effectiveness of the SCSS water management system; andsurface water flows and quality in the watercourses potentially affected by the development; andreporting procedures for the results of the monitoring program; anda plan to respond to any exceedances of the performance criteria, and mitigate and/or offset any adverse surface water impacts of the development;				<p>The following improvement recommendations (relating to water management and erosion and sediment control) were made during the site inspection:</p> <p>IMP REC 3: Complete maintenance works for areas of erosion identified along conveyor route during site inspection (refer photo 1 in audit report).</p> <p>IMP REC 4: Complete repair works along 50m of drainage line (refer Figure 5 in audit report).</p> <p>IMP REC 5: Clean out areas of rock drains near the boundary of EA and Centennial (refer Figure 7 in audit report)</p> <p>IMP REC 6: Undertake engineering review to identify solutions for area of weak point in the wall of A Pit (refer Photos 15, 16, and 17 in audit report).</p> <p>IMP REC 7: Remove coal fines that are currently blocking water filtering through coir logs near retention pond (refer Photo 24 in audit report).</p> <p>IMP REC 8: Remove coal in dirty water drain adjacent to main haul road and clean water drain (refer Photo 25 in audit report).</p> <p>IMP REC 9: Desilt Stockpile Sediment Pond as it is at over 50% capacity (refer Photo 26 in audit report).</p> <p>IMP REC 10: Consider the use of coir logs in area of failed sediment fence at Kerosene Vale site (refer photo 28 in audit report)</p> <p>IMP REC 11: Remove coal from drain near LDP003 at Kerosene Vale (refer Photos 30 and 31 in audit report).</p> <p>IMP REC 12: Reinstall coir log at LDP003 (refer Photo 38 in audit report).</p> <p>IMP REC 13: Re-hydromulch area at Western Coal (refer Photo 40 in audit report).</p>



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	<p>(iii) Groundwater Management Plan that includes:</p> <ul style="list-style-type: none">• detailed baseline data of groundwater levels, yield and quality on the SCSS and surrounds that could be affected by the development, including any licensed privately-owned groundwater bores;• groundwater impact assessment criteria including trigger levels for investigating any potentially adverse groundwater impacts;• a program to monitor and report on:<ul style="list-style-type: none">o groundwater inflows to former open cut pits;o the seepage/leachate from water storages, emplacements of power station ash and/or coal rejects, and former open cut voids;o background changes in groundwater yield/quality against changes induced by the development; ando impacts of the development on:<ul style="list-style-type: none">- regional and local (including alluvial) aquifers;- groundwater supply of any potentially affected private landowners; and-any potentially affected groundwater dependent ecosystems and riparian vegetation;• a program to validate the groundwater model for the development, including an independent review of the model every 3 years, and comparison of monitoring results with modelled predictions; and• a plan to respond to any exceedances of the performance criteria; and <p>(iv) protocol that has been prepared in consultation with the owners of nearby power generation or mining developments to:</p> <ul style="list-style-type: none">• minimise cumulative water quality impacts;• review opportunities for water sharing/water transfers between these developments;• co-ordinate water quality monitoring programs as far as practicable;• undertake joint investigations/studies in relation to complaints/exceedances of trigger levels where cumulative impacts are considered likely; and• co-ordinate modelling programs for validation, re-calibration and re-running of groundwater and surface water models.				
	<p><i>Note: The protocol can be developed in stages and will need to be subject to ongoing review, dependent upon the determination of, and commencement of, other mining and/or power generation developments in the area.</i></p>	Note		Noted	
BIODIVERSITY					
Biodiversity Offset Strategy					
25	<p>By the end of December 2016, the Applicant must, to the satisfaction of the Secretary:</p> <p>(a) provide an area that is suitable in its vegetation types and extent to satisfactorily offset the impacts of clearing 10.67 hectares of native vegetation (Coxs Permian Red Stringybark – Brittle Gum Woodland); and</p> <p>(b) make suitable arrangements to manage, protect and provide long-term security for this area, consistent with the relevant NSW Offsets policy.</p>	Compliant	<ul style="list-style-type: none">• Western Region Biodiversity Offset Strategy (v7) dated 28/02/2019.• Letter from DPIE (dated 23/04/2019) approving the BOS v7.• Western Region BOS (v8) dated 17/11/20.• Submission Letter for Western Region BOS (v8) dated 2/12/20.• Letter from DPIE (dated 27/01/2021) approving the BOS v8.	<p>Previous audit noted that the original BOS was submitted 23/12/16.</p> <p>Two versions of the BOS have been approved during the audit period. Version 7 approved in 2019, and Version 8 approved in 2021.</p> <p>(a) BOS Table 8 Credit Calculations identify the allocation of the credits at Carinya Lot 163 for Western Coal Services credit requirements.</p> <p>(b) The BOS Section 4.1 Carinya Lot 163' identifies the securing mechanism for the site as a Agreement, or alternate transfer to the Capertee National Park. BOS notes that Centennial may transfer the land to the Capertee National Park in the future, if agreed with the NSW National Parks & Wildlife Service.</p>	
Additional Rehabilitation Initiatives					
26	<p>The Applicant must implement the Additional Rehabilitation Initiatives for the Lamberts Gully Creek catchment on the SCSS by the establishment and enhancement of locally endemic native vegetation species and improvement of fauna habitat values in the areas shown in Appendix 7, to the satisfaction of the Secretary.</p>	Compliant	<ul style="list-style-type: none">• Koru Rehabilitation Monitoring reports (2018, 2019, 2020)• "SCSO Rehab Tree Planting GPS Coordinates" spreadsheet	<p>The "Additional Rehabilitation Initiatives Area" is captured as MOP Domain 7 (now called "Conservation Sites").</p> <p>An annual update on rehabilitation is provided to DPIE in the Annual Review.</p> <p>Spreadsheet provided lists coordinates for tree planting locations, including species type.</p>	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Riparian Habitat and Catchment Improvement Plan					
27	The Applicant must prepare and implement a Riparian Habitat and Catchment Improvement Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with Local Land Services, BCD, EPA and WaterNSW, and be submitted to the Secretary for approval by the end of October 2017; (b) describe the measures that would be implemented to improve and maintain the riparian habitat of Wangcol Creek for at least 100 metres downstream of the proposed Link Haul Road bridge crossing of the creek; (c) detail additional compensatory water quality and catchment improvement measures to the value of at least \$250,000 which must be undertaken prior to the commissioning of the Springvale Water Treatment Project; and (d) make arrangements to manage, protect and provide for the long-term security for the measures proposed to respond to (b) and (c) above.	Compliant	<ul style="list-style-type: none"> WCS Mod 1 RHCIP (dated Oct 2017). RHCIP submission letter to DPE dated 31/10/2017. Email from Centennial Projects Engineer (27/05/2019) with concept designs for the RHCIP Modification. Toolbox talks for Catchment Improvement Works during 2019. 	<p>Riparian Habitat and Catchment Improvement Plan (RHCIP) has been prepared for the site (Oct 2017). Not yet approved.</p> <p>(a) Consultation evidence provided, with Local Land Services, OEH, EPA and Water NSW during Oct 2017 and included as Appendix A to RHCIP. Document was submitted to DPIE for approval 31/10/2017.</p> <p>(b) Riparian habitat management actions and specifications for Wangcol Creek are detailed in Section 3.2.1.</p> <p>(c) Compensatory water quality and catchment improvement measures are detailed in Section 3.2.2.</p> <p>(d) The management of land associated with this RHCIP is identified within Section 3. The protection and long-term security of the subject land is identified within Section 1.3.</p> <p><u>Implementation:</u></p> <ul style="list-style-type: none"> Toolbox talks provided for Catchment Improvement works completed during 2019. Concept designs for RHCIP during 2019. Spillway designs provided dated 06/08/2019. PO Records with suppliers and capital expenditure records provided. 	IMP REC 14: Follow up with DPIE to get the 2017 RHCIP Approved.
Habitat for Threatened Fauna Species					
28	The Applicant must ensure that the Biodiversity Offset Strategy and Additional Rehabilitation Initiatives areas, in combination, provide suitable habitat for threatened fauna species recorded on the SCSS, namely the: <ul style="list-style-type: none"> Brown Treecreeper; Gang-gang Cockatoo; Little Eagle; Scarlet Robin; Large-eared Pied Bat; Eastern Falsistrelle; Eastern Bent Wing Bat; and Yellow Bellied Sheathtail Bat. 	Compliant	<ul style="list-style-type: none"> Western Region Biodiversity Offset Strategy (approved April 2019). Koru Rehabilitation Monitoring reports (2018, 2019, 2020) "SCSO Rehab Tree Planting GPS Coordinates" spreadsheet 	<ul style="list-style-type: none"> The "Additional Rehabilitation Initiatives Area" is captured as MOP Domain 7 (now called "Conservation Sites"). The Western Region Biodiversity Offset Strategy s 4.1.3 states that the Carinya Lot 163 offset site provides suitable habitat for all of the listed threatened species recorded on the SCSS. 	
Biodiversity Management Plan					
29	The Applicant must prepare and implement a Biodiversity Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with BCD and Forestry Corporation of NSW, and be submitted to the Secretary for approval by the end of December 2016; (b) describe the short, medium, and long-term measures that would be implemented to: <ul style="list-style-type: none"> manage remnant vegetation and habitat on the site; and implement the Biodiversity Offset Strategy; (c) include detailed performance and completion criteria for evaluating the performance of the Biodiversity Offset Strategy, and triggering any necessary remedial action; (d) include a detailed description of the measures that would be implemented over the next 3 years (to be updated for each 3-year period following initial preparation of the plan) for: <ul style="list-style-type: none"> enhancing the quality of existing vegetation and fauna habitat; establishing native vegetation and fauna habitat in the Additional Rehabilitation Initiatives area through focusing on assisted natural regeneration, targeted vegetation establishment and the introduction of naturally scarce fauna habitat features (where necessary); enhancing the landscaping of the site and along public roads to minimise visual and lighting impacts, particularly along the Castlereagh Highway; protecting vegetation and soil outside the approved disturbance area; maximising the salvage of resources within the approved disturbance area – including tree hollows and vegetative and soil resources – for beneficial reuse in the biodiversity offset strategy; collecting and propagating seed; minimising the impacts to fauna on site, including undertaking pre-clearance surveys; managing any potential conflicts between the proposed restoration works in the Additional Rehabilitation Initiatives area and any Aboriginal heritage values (both cultural and archaeological); managing salinity; controlling weeds and feral pests; controlling erosion; controlling access; and managing bushfire risk; 	Compliant	<ul style="list-style-type: none"> Letter from Centennial to Forestry NSW dated 9/11/16 seeking comment on BMP. Letter from Centennial to DPE dated 1/2/17 submitting the BMP for approval. Letter from Centennial to DPE dated 28/04/17 re-submitting the BMP for approval. Letter from Centennial to DPE dated 24/07/17 chasing up BMP approval. Letter from RPS to Centennial "Ecological Due Diligence Survey" dated 6/2/2019. Western Region Biodiversity Management Plan (August 2019) BMP submission letter from Centennial to DPIE, dated 3/9/2019. Reply from DPE dated 30/09/2021WCS MP Submissions. Response letter from DPIE for BMP (dated 18/10/2021) requesting further consultation and resubmission by April 2022. 	<p><u>Preparation:</u></p> <p>The Western Region Biodiversity Management Plan (August 2019) is currently unapproved. Appendix H relates to Western Coal Services.</p> <p>(a) Appendix 1 of the BMP outlines consultation undertaken with OEH and Forestry Corporation of NSW in 2016. However noting the DPIE letter dated 18/10/2021 requesting contemporary consultation.</p> <p>(b) Measures to manage vegetation and habitat are addressed in Section 4.3. Measures to implement the BOS are specified in Section 4.1.3.</p> <p>(c) Performance and completion criteria are listed in Table 19 for transfer to the Capertee National Park, and Table 20 where managed under a Conservation Agreement.</p> <p>(d) Table 5.9 of BMP identifies the measures to be implemented.</p> <p>The development of a program is identified in Table 8 - Management Measures.</p> <p>(e) Management and Monitoring outlined in Appendix H. Detailed performance and completion criteria for rehabilitation areas included in the MOP. Appendix I of the Annual Reviews includes a summary of biodiversity monitoring.</p> <p>(f) High level potential risks for implementation of the Strategy were considered in the development of the previous Biodiversity Offset Strategy (2014) and during the assessment process for the Springvale Extension Project SSD 5594.</p> <p>(g) Section 7.1 outlines roles and responsibilities.</p> <p><u>Implementation:</u></p> <ul style="list-style-type: none"> BA427 Annual Management Report includes appended weed management activities. Various GDPs provided. A summary of biodiversity monitoring (weed monitoring and aquatic ecology monitoring) is included as Appendix I of the Annual Reviews. Field inspection generally noted weeds were being managed. 	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	(e) include a program to monitor and report on the effectiveness of these measures, and progress against the detailed performance and completion criteria; (f) identify the potential risks to the successful implementation of the Biodiversity Offset Strategy, and include a description of the contingency measures that would be implemented to mitigate against these risks; and (g) include details of who would be responsible for monitoring, reviewing, and implementing the plan.				
	<i>Note: The Biodiversity Management Plan and Rehabilitation Management Plan require substantial integration to achieve biodiversity objectives for the undisturbed and rehabilitated areas of the SCSS.</i>	Note		Noted	
Conservation Bond					
30	Within 6 months of the approval of the Biodiversity Management Plan, unless the Secretary agrees otherwise, the Applicant must lodge a Conservation Bond with the Department to ensure that the Biodiversity Offset Strategy is implemented in accordance with the performance and completion criteria of the Biodiversity Management Plan. The sum of the bond must be determined by: (a) calculating the full cost of implementing the Biodiversity Offset Strategy (other than land acquisition costs); and (b) employing a suitably qualified quantity surveyor to verify the calculated costs. If the offset strategy is completed generally in accordance with the completion criteria in the Biodiversity Management Plan to the satisfaction of the Secretary, the Secretary will release the bond. If the offset strategy is not completed generally in accordance with the completion criteria in the Biodiversity Management Plan, the Secretary will call in all, or part of, the conservation bond, and arrange for the satisfactory completion of the relevant works.	Not triggered		Biodiversity MP not yet approved - therefore this condition not triggered.	
	<i>Notes:</i> • <i>Alternative funding arrangements for long-term management of the Biodiversity Offset Strategy, such as provision of capital and management funding as agreed by BCD as part of a Biobanking Agreement or transfer to the conservation reserve estate can be used to reduce the liability of the conservation bond.</i> • <i>The sum of the bond may be reviewed in conjunction with any revision to the Biodiversity Management Plan.</i>	Note		Noted	
HERITAGE					
Protection of Aboriginal Sites					
31	The Applicant must ensure that the development does not cause any direct or indirect impact on identified Aboriginal sites located outside the approved disturbance area of the development on the site.	Compliant		Fencing of arch sites observed while on site. No heritage related incidents during the IEA period.	
Heritage Management Plan					
32	The Applicant must prepare and implement a Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Secretary; (b) be prepared in consultation with the Heritage Division and local Aboriginal stakeholders (in relation to the management of Aboriginal heritage values); (c) be submitted to the Secretary for approval within 6 months of the date of this consent, unless the Secretary agrees otherwise; (d) include a description of the measures that would be implemented for: • addressing relevant statutory requirements under the National Parks and Wildlife Act 1974; • protecting, monitoring and managing Aboriginal sites outside the approved disturbance area (including sites shown on the figure in Appendix 6, with particular attention to site 45-1-0218); • maintaining and managing reasonable access for Aboriginal stakeholders to cultural heritage items on site; • managing the discovery of any human remains or previously unidentified Aboriginal objects on site, including (in the case of human remains) stop work provisions and notification protocols; • ongoing consultation with local Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage both on-site and in the Biodiversity Offset Strategy area; and • ensuring any workers on site receive suitable heritage inductions prior to carrying out any activities which may disturb Aboriginal sites, and that suitable records are kept of these inductions.	Compliant	• Western Region ACHMP July 2017 • Centennial submission letter to DPIE dated 24/07/2017. • ACHMP approval letter from DPIE dated 27/10/2017. • Western Region ACHMP Sept 2021. • ACHMP approval letter from DPIE dated 14/10/2021. • Western Region Historic Heritage Management Plan (HHMP) June 2018 • Approval letter from DPIE for HHMP dated 4/7/18. • ACHMP Meeting PowerPoint Presentations and Meeting Minutes.	The following documents have been in place during the audit period to satisfy this condition: • Western Region Aboriginal Cultural Heritage Management Plan (ACHMP) July 2017 (approved 24/07/2017). • Western Region ACHMP Sept 2021 (approved 14/10/2021) - Attachment 7 relates to WCS • Western Region Historic Heritage Management Plan (HHMP) June 2018 (approved 4/7/18) - Attachment 7 relates to WCS. <u>Preparation (2021 ACHMP):</u> a) Letter from DPE dated 14 July 2014 endorsing Tessa Boer Mah of RPS as a suitably qualified consultant to prepare the ACHMP. b) Consultation Log Provided as Attachment 8. c) Original ACHMP submitted to DPE 23/10/14 and was assessed as compliant in the 2016 IEA. d) • Section 2.2.2 outlines statutory requirements. • Section 6 outlines Aboriginal Cultural Heritage Identification, Monitoring and Management. • Section 5 Aboriginal Community Consultation. • Section 6.7 Identification of Previously Unknown Aboriginal Cultural Heritage Sites. • Section 5.3 Aboriginal Heritage Committee. • Section 10 Inductions.	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
				<p><u>Preparation (2018 HHMP):</u></p> <p>a) Letter from DPE dated 2/11/2015 endorsing Tessa Boer Mah of RPS as a suitably qualified consultant to prepare the HHMP.</p> <p>b) Consultation Log Provided as Attachment 8.</p> <p>c) New document prepared in 2018.</p> <p>d) • Sections 6.1-6.2 Archival Recording and 6.7.2 Identification of previously unknown heritage sites of skeletal remains describe the measures for protecting, monitoring and managing heritage items.</p> <p>• Section 6.7.2 Skeletal Remains identifies that the NSW Police will be called immediately in the event skeletal remains are uncovered.</p> <p>• Section 7.2 of this HHMP identifies inductions to site will include heritage and records of the inductions will be kept.</p> <p><u>Implementation:</u></p> <p>• ACHMP Meeting Minutes provided.</p> <p>• Annual Reviews provide a summary of heritage management.</p> <p>• No incidents relating to heritage during the IEA period.</p>	
INDEPENDENT REVIEW					
Intersection Upgrade					
33	Within 6 months of the date of this consent, unless the Secretary agrees otherwise, the Applicant must re-paint line markings at the intersection of the Castlereagh Highway and the SCSS Access Road to the satisfaction of RMS.	Compliant		Completed in previous audit period.	
Castlereagh Highway Overbridge					
34	The Applicant must design, construct and operate the Link Haul Road overbridge of the Castlereagh Highway at no cost to, and to the satisfaction of, RMS.	Not triggered		Not triggered during the IEA period.	
Construction Traffic Management Plan					
35	The Applicant must prepare and implement a Construction Traffic Management Plan for the development, to the satisfaction of the Secretary. This plan must be prepared in consultation with LCC and RMS, and must be submitted to the Secretary for approval prior to the commencement of construction activities on the site. This plan must address: (a) management of wide loads; (b) minimising inconvenience to the public, particularly during the construction of the Link Haul Road overbridge of the Castlereagh Highway; and (c) maintaining public safety.	Not triggered		Not triggered during the IEA period.	
Road Maintenance - Private Haul Roads					
36	Within 3 months of the date of consent, until coal transportation ceases on each respective haul road, unless otherwise agreed by the Secretary, the Applicant must maintain the surface of the haul roads from Angus Place to Mount Piper and Wallerawang power stations with a smooth sealed surface, effectively free of potholes, indentations or other unevenness of the surface that would cause noise levels from traffic travelling on the road to exceed the sleep disturbance criteria in Table 3, to the satisfaction of the Secretary.	Low Non-Compliance	Nil	<ul style="list-style-type: none">• No inspections of haul roads are completed. Condition of haul roads unable to be assessed as part of this IEA. Previous evidence however outside of audit period. Site advised minimal use of the haul road (evidenced by trucking records 2018-2021).• Haul road observed during the audit had no significant issues visible to the auditors.	<p>NC REC 4: To cover the requirements of Condition 36-38, contact DPIE regarding the requirements to undertake an independent inspection and condition report of the surface of the haul roads from Angus Place to Mount Piper and Wallerawang power stations, by an independent road maintenance expert.</p> <p>NC REC 5: Maintain records of any repair of haul roads if required.</p>
37	Within 3 months of the date of consent, and every 6 months thereafter until coal transportation ceases on each respective haul road, unless otherwise agreed by the Secretary, the Applicant must arrange and pay the cost of independent inspections and condition reports of the surface of the haul roads from Angus Place to Mount Piper and Wallerawang power stations by an independent road maintenance expert, approved by the Secretary. Copies of the inspection and condition reports must be forwarded to the Secretary at the same time as they are provided to the Applicant.	Low Non-Compliance	Nil	No independent inspections of haul roads is completed, therefore low non-compliance, however no further recommendations (refer NC REC 4 and 5 above). Condition of haul roads unable to be assessed as part of this IEA. Previous evidence however outside of audit period. Site advised minimal use of the haul road. Haul road observed during the audit had no significant issues visible to the auditors.	Refer to above recommendations.
38	If any haul road condition report, referred to in condition 37, recommends repair or remedial works in order to prevent exceedances of the sleep disturbance criteria in Table 3, then the Applicant must not undertake trucking operations on the affected haul road at Night until the recommended repair and/or remedial works are undertaken to the satisfaction of the independent road maintenance expert.	Low Non-Compliance	Nil	No independent inspections of haul roads is completed, therefore low non-compliance, however no further recommendations (refer NC REC 4 and 5 above). Condition of haul roads unable to be assessed as part of this IEA. Previous evidence however outside of audit period. Site advised minimal use of the haul road. Haul road observed during the audit had no significant issues visible to the auditors.	Refer to above recommendations.

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Transport Monitoring					
39	The Applicant must monitor and report on: (a) the amount of coal transported to and from the site; and (b) the date and time of each truck movement of coal or coal rejects to and from the site; to the satisfaction of the Secretary.	Compliant	<ul style="list-style-type: none">• Haulage Management Standard• Road Haulage Code of Conduct• Truck Weight records spreadsheets 2018-2021.• Annual Reviews 2018-2020	Truck Weight records spreadsheets provided for 2018-2021. These include weights transported, as well as date and time of each truck movement. Annual reviews report volumes of coal transported to and from the site.	
VISUAL					
Operating Conditions					
40	The Applicant must: (a) implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development; (b) ensure no fixed outdoor lights or mobile lighting rigs shine above the horizontal; (c) ensure that all external lighting associated with the development complies with <i>Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting</i> or its latest version; (d) ensure revegetation works associated with the batters of the Link Haul Road overbridge of the Castlereagh Highway are undertaken as soon as practicable and maintained to reduce visual impacts; (e) employ reasonable and feasible landscaping measures to minimise visual impacts of all private haul roads forming part of the development; and (f) ensure that the visual appearance of all buildings, structures, facilities or works (including paint colours and specifications) is aimed at blending as far as possible with the surrounding landscape, to the satisfaction of the Secretary.	Compliant	<ul style="list-style-type: none">• Springvale Coal Services Compliance Lighting Audit (Nov 2016)	(a) There are been no lighting related incidents or complaints during the audit period. (b) Assessed in the lighting audit (2016). All compliant. (c) Audit against AS4282 completed for SCS in November 2016 and the site was found to be compliant. No changes to lighting since then (as per site comms). No operations on the REA at night. (d) Not applicable - Link Haul Road not yet constructed. (e) No night time operations. Vegetation was sighted along haul road bunds. (f) Visual impact of the buildings/structures were observed to be adequate during the site inspection. <u>Implementation:</u> No lighting complaints during the audit period. No visual impacts observed during the site inspections.	
BUSHFIRE MANAGEMENT					
41	The Applicant must: (a) ensure that the development is suitably equipped to respond to any fires on site; and (b) assist the Rural Fire Service, emergency services and Forestry Corporation of NSW as much as possible if there is a fire in the surrounding area.	Compliant	<p>Bushfire Management Plan Annual Reviews</p>	Appendix L of the Annual Review outlines Bushfire Management. (a) Site has adequate fire fighting equipment, water storage, etc. to respond to a fire on site. (b) Consultation during 2019 bushfires. Collaborative western region approach to bushfire management with RFS.	
WASTE					
42	The Applicant must: (a) implement all reasonable and feasible measures to minimise the waste (including coal reject) generated by the development; (b) ensure that the waste generated by the development is appropriately stored, handled and disposed of; and (c) monitor and report on the effectiveness of waste minimisation and management measures in the Annual Review.	Compliant	<ul style="list-style-type: none">• Waste spreadsheets provided for 2018, 2019, 2020 and 2021 (to October).• Springvale Coal Services Waste Management Plan (April 2020)• Annual Reviews.	<u>Preparation:</u> (a) Waste minimisation measures outlined in the Waste Management Plan, Section 6 (b) Waste storage and handing are outlined in the Waste Management Plan, Section 8. Waste segregation and storage was observed to be suitable during the audit period. (c) Waste management measures are reported in Section 6.13 and Appendix M of the Annual reviews. <u>Implementation:</u> Waste segregation and management was observed to be generally undertaken well throughout the site. No issued observed during field inspection.	IMP REC 15: Remove areas of coal spill identified under conveyors during site inspection (refer photos 2, 3 and 6 in audit report) IMP REC 16: Remove area of coal spill identified at the base of hill below conveyor during site inspection (refer photo 10 in audit report).



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action																					
REHABILITATION																										
Rehabilitation Objectives																										
43	<p>The Applicant must rehabilitate the site to the satisfaction of the Resources Regulator. This rehabilitation must be generally consistent with the proposed Rehabilitation Strategy described in the EIS (and shown conceptually in Appendix 7) and comply with the objectives in Table 11.</p> <p><i>Table 11: Rehabilitation objectives</i></p> <table><tr><th>Feature</th><th>Objective</th></tr><tr><td rowspan="3">Site (as a whole)</td><td>Safe, stable and non-polluting</td></tr><tr><td>Constructed landforms drain to the natural environment</td></tr><tr><td>Minimise visual impact of final landforms as far as is reasonable and feasible</td></tr><tr><td>Lands on which other approved developments exist or are proposed, such as Energy Australia's ash emplacement or LCC's waste management facility</td><td>Final land use to be determined in consultation with, and the agreement of the landowner</td></tr><tr><td></td><td>The default objective for all land where a final land use is not otherwise agreed is to rehabilitate to the standards required for "Remainder of the SCSS" in this table</td></tr><tr><td>Surface infrastructure</td><td>To be decommissioned and removed, unless the Resources Regulator agrees otherwise</td></tr><tr><td>Castlereagh Highway overbridge</td><td>To be decommissioned and removed, unless the Resources Regulator and RMS agrees otherwise</td></tr><tr><td>Portion of Ben Bullen State Forest within the SCSS</td><td>To be managed to the satisfaction of the Forestry Corporation of NSW with the implementation of biodiversity enhancement measures, including weed and feral animal control</td></tr><tr><td>Remainder of the SCSS</td><td>Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprising:<ul style="list-style-type: none">a wildlife corridor (shown as Additional Rehabilitation Initiatives in the figure in Appendix 7);local native plant species; anda landform consistent with the surrounding environment</td></tr><tr><td rowspan="2">Community</td><td>Ensure public safety</td></tr><tr><td>Minimise the adverse socio-economic effects associated with closure of the development</td></tr></table>	Feature	Objective	Site (as a whole)	Safe, stable and non-polluting	Constructed landforms drain to the natural environment	Minimise visual impact of final landforms as far as is reasonable and feasible	Lands on which other approved developments exist or are proposed, such as Energy Australia's ash emplacement or LCC's waste management facility	Final land use to be determined in consultation with, and the agreement of the landowner		The default objective for all land where a final land use is not otherwise agreed is to rehabilitate to the standards required for "Remainder of the SCSS" in this table	Surface infrastructure	To be decommissioned and removed, unless the Resources Regulator agrees otherwise	Castlereagh Highway overbridge	To be decommissioned and removed, unless the Resources Regulator and RMS agrees otherwise	Portion of Ben Bullen State Forest within the SCSS	To be managed to the satisfaction of the Forestry Corporation of NSW with the implementation of biodiversity enhancement measures, including weed and feral animal control	Remainder of the SCSS	Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprising: <ul style="list-style-type: none">a wildlife corridor (shown as Additional Rehabilitation Initiatives in the figure in Appendix 7);local native plant species; anda landform consistent with the surrounding environment	Community	Ensure public safety	Minimise the adverse socio-economic effects associated with closure of the development	Compliant	<ul style="list-style-type: none">WCS Annual Review 2020, Appendix N.RIP Progress Inspection and Rehabilitation Monitoring (2018, 2019, 2020).Site Rehabilitation inspection	<p>Findings of the 2020 RIP Progress Inspection and Rehabilitation Monitoring suggest that the areas of rehabilitation on site are improving following more favourable conditions in 2020. In particular the vegetative ground cover levels and species diversity in the lower stratum.</p> <p>The status of rehabilitation areas against the completion criteria in the MOP was predominately compliant, or trending toward compliance, with the only non-compliances concerning topsoil depth and bare areas >200m² at both the reject emplacement area & Lambert's Gully.</p> <p>All monitored rehabilitation areas were assessed as stable in 2020 with no signs of active erosion processes or issues.</p> <p>Some areas observed as poorly performing woodland rehabilitation has been re-classified in the approved MOP as material stockpiles, and will therefore be re-disturbed, and require rehabilitation later and are considered temporary rehabilitation.</p> <p>It was noted in the 2020 RIP report that pro-active weed control is recommended, particularly targeting African Lovegrass, Blackberry, Serrated Tussock and St John's Wart in areas of old rehabilitation to minimise the risk of further spread. The site inspection did not find significant weed infestation or areas of concern, but still recommend continued vigilance within the permanent and temporary rehabilitation areas.</p> <p>The rehabilitation was found to be compliant or trending to the Rehabilitation objectives in Table 11.</p>	
Feature	Objective																									
Site (as a whole)	Safe, stable and non-polluting																									
	Constructed landforms drain to the natural environment																									
	Minimise visual impact of final landforms as far as is reasonable and feasible																									
Lands on which other approved developments exist or are proposed, such as Energy Australia's ash emplacement or LCC's waste management facility	Final land use to be determined in consultation with, and the agreement of the landowner																									
	The default objective for all land where a final land use is not otherwise agreed is to rehabilitate to the standards required for "Remainder of the SCSS" in this table																									
Surface infrastructure	To be decommissioned and removed, unless the Resources Regulator agrees otherwise																									
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Remainder of the SCSS	Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprising: <ul style="list-style-type: none">a wildlife corridor (shown as Additional Rehabilitation Initiatives in the figure in Appendix 7);local native plant species; anda landform consistent with the surrounding environment																									
Community	Ensure public safety																									
	Minimise the adverse socio-economic effects associated with closure of the development																									
Progressive Rehabilitation																										
44	<p>The Applicant must progressively rehabilitate the site, including the Kerosene Vale Stockpile Area, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim rehabilitation strategies must be employed where areas prone to dust generation are not subject to active operations but cannot yet be permanently rehabilitated.</p>	Compliant	<ul style="list-style-type: none">Site inspectionRIP Progress Inspection and Rehabilitation Monitoring 2020	<p>Site inspection found areas of site to have been progressively rehabilitated, utilising hydromulching techniques to limit exposed areas and minimise dust generation.</p> <p>There are areas of temporary rehabilitation which will be re-disturbed according to the approved MOP. Whilst these areas were considered lower quality rehabilitation during the inspection, they are adequate for temporary rehabilitation.</p>	IMP REC 17: Angus Place RMP to include removal of derelict buildings at Kerosene Vale (refer Photos 33, 35, 37 in audit report).																					
	<p><i>Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to further disturbance in future.</i></p>	Note		Noted																						

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Rehabilitation Management Plan					
45	<p>The Applicant must prepare and implement a Rehabilitation Management Plan to the satisfaction of the Resources Regulator. This plan must:</p> <ul style="list-style-type: none"> (a) be prepared in consultation with the Department, EPA, DPIE – Water, DRG, BCD, WaterNSW, Forestry Corporation of NSW, CCC and LCC; (b) be submitted to the Resources Regulator for approval within 4 months of the date of this consent; unless the Resources Regulator agrees otherwise; (c) be prepared in accordance with any relevant NSW Government guideline; (d) describe how the rehabilitation of the site would be integrated with the implementation of the Biodiversity Management Plan; (e) include detailed performance and completion criteria for evaluating the performance of the rehabilitation of the site, and triggering remedial action (if necessary); (f) describe the measures that would be implemented to ensure compliance with the relevant conditions of this consent, and address all aspects of rehabilitation including facility closure, final landform and final land use; (g) include interim rehabilitation where necessary to minimise the area exposed for dust generation; (h) include a program to monitor, independently audit and report on the effectiveness of the rehabilitation measures and progress against the detailed performance and completion criteria; and (i) build to the maximum extent practicable on the other management plans required under this consent. 	Compliant	<p><u>MOP Submission:</u></p> <ul style="list-style-type: none"> • Western Coal Services 2018-2024 MOP Amdt A dated 6/4/2020. • Submission email to Resources Regulator dated 7/4/20. • MOP and RCE approval letter from RR dated 28/8/20. • Notification of Assessment of Security Deposit dated 25/11/19 (value \$25,836,000). • Notification of Assessment of Security Deposit dated 7/10/20 (value \$25,987,000). <p><u>Section 240 notice:</u></p> <ul style="list-style-type: none"> • Section 240 Notice from Resources Regulator dated 20/05/2020 regarding an inspection of tailings management activities on 25/02/2020. • Letter from RR to Centennial "Report Submitted in response to Section 240 Notice Ref:NTCE0005317" dated 10/12/20. • Centennial presentation to RR dated Jan 2021 "Reject Emplacement Area s240 Notice Summary & Response" • Official Caution letter from Resources Regulator dated 25/03/2021. <p><u>Implementation:</u></p> <ul style="list-style-type: none"> • Koru Environmental report "RIP Progress Inspection and Rehabilitation Monitoring 2020 Western Coal Services" dated 17/03/2021. 	<p><u>Preparation:</u></p> <ul style="list-style-type: none"> a) Section 1.4 includes consultation undertaken for the MOP. b) MOP Amendment A dated 6 April 2020. Approval Letter from Resources Regulator is dated 28 August 2020. c) References to Guidelines throughout. Centennial is required to develop a RMP to replace its current MOP by July 2022 under the Mining Act Rehabilitation Reforms. d) Western Region Biodiversity Management Plan referred to throughout the MOP. e) Completion Criteria included in Section 6.1.2 and Tables 20 - 24. f) Compliance measures included in Section 3.2. Section 3.3. Tables 20 - 24. Section 7. g) Rehabilitation Tables (Section 6) and Tables 20 - 24. h) Monitoring included in Section 9 and Section 10.2. i) References to other Management Plans throughout the body of the MOP. <p><u>Implementation:</u></p> <p>Noted that this will be updated in 2022 as part of the RMP Rehab Reforms. Rehabilitation is reported on in the Annual Reviews.</p>	IMP REC 18: In the next revision of the MOP/RMP add an extra column to Table 14 (see existing MOP) to show where each of the Regulatory requirements is met in the document.
	<i>Note: The Biodiversity Management Plan and Rehabilitation Management Plan require substantial integration to achieve biodiversity objectives for the undisturbed and rehabilitated areas of the SCSS.</i>	Note	Monitoring 2020 Western Coal Services" dated 17/03/2021.	Noted	
Pollution Reduction Works					
46	<p>Prior to receiving any residual waste from the operation of the Springvale Water Treatment Project, the Applicant must complete the following pollution reduction works to the satisfaction of the EPA:</p> <ul style="list-style-type: none"> (a) Establish a groundwater monitoring network across the Springvale Coal Services site that comprises an adequate number of bores that are located, established and operated in such a manner that will provide an understanding of surface water and groundwater interactions across the site; (b) Design and install run-off diversion works to divert all clean water run-off generated from catchment areas up-gradient of the Springvale Coal Services Site; and (c) Investigate options for long term management and discharge and/or beneficial reuse, of groundwater presently discharging from the site through LDP 001. 	Compliant	<ul style="list-style-type: none"> • Email from EPA to Centennial dated 3/6/2019 "WCS Consultation on Timing of LDP006 Options Assessment" • Western Coal Services LDP001 Options Assessment Preliminary Report (6/6/2019). • Letter from Centennial to EPA "Western Coal Services LDP001 Options Assessment" dated 6/6/19. • Western Coal Services LDP001 Options Assessment (Dec 2019). 	<ul style="list-style-type: none"> (a) The Water MP includes a groundwater monitoring network across the SCSS. (b) A clean water diversion is in place which diverts runoff from catchment areas upslope of the site. (c) The LDP001 Options Assessment was prepared and submitted to the EPA in 2019. LDP001 Pollution Reduction Program - Preferred Project Report prepared in January 2021. 	
SCHEDULE 4 ADDITIONAL PROCEDURES					
NOTIFICATION OF LANDOWNERS/TENNANTS					
1	<p>Within 1 month of the date of this consent, unless the Secretary agrees otherwise, the Applicant must:</p> <ul style="list-style-type: none"> (a) notify in writing the owners of: <ul style="list-style-type: none"> • the land listed in Table 1 of Schedule 3 that they have the right to require the Applicant to acquire their land at any stage during the development; and • any residence listed in condition 2 of Schedule 3, that they have the right to request the Applicant for additional noise mitigation measures to be installed at their residence at any stage during the development; (b) notify the tenants of any mine-owned land of their rights under this consent; and (c) send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the owners and/or existing tenants of any land (including mine-owned land) where the predictions in the EIS identify that dust emissions generated by the development are likely to be greater than the relevant air quality criteria in Schedule 3 at any time during the life of the development. 	Not triggered		Not triggered during the audit period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
2	Prior to entering into any tenancy agreement for any land owned by the Applicant that is predicted to experience exceedances of the recommended dust and/or noise criteria, or for any of the land listed in Table 1 that is subsequently purchased by the Applicant, the Applicant must: (a) advise the prospective tenants of the potential health and amenity impacts associated with living on the land, and give them a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time); and (b) advise the prospective tenants of the rights they would have under this consent, to the satisfaction of the Secretary.	Not triggered		Not triggered during the audit period.	
3	As soon as practicable after obtaining monitoring results showing: (a) an exceedance of any relevant criteria in Schedule 3, the Applicant must notify affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and (b) an exceedance of the relevant air quality criteria in Schedule 3, the Applicant must send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the affected landowners and/or existing tenants of the land (including the tenants of any mine-owned land).	Not triggered		Not triggered during the audit period.	
INDEPENDENT REVIEW					
4	If an owner of privately-owned land considers the development to be exceeding the criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land. If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision, the Applicant must: (a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Secretary, to: <ul style="list-style-type: none">• consult with the landowner to determine his/her concerns;• conduct monitoring to determine whether the development is complying with the relevant impact assessment criteria in Schedule 3; and• if the development is not complying with these criteria then:<ul style="list-style-type: none">o determine if more than one mine or development is responsible for the exceedance, and if so the relative share of each mine or development regarding the impact on the land; ando identify the measures that could be implemented to ensure compliance with the relevant criteria; and (b) give the Secretary and landowner a copy of the independent review.	Not triggered		Not triggered during the audit period.	
LAND ACQUISITION					
5	Within 3 months of receiving a written request from a landowner with acquisition rights, the Applicant must make a binding written offer to the landowner based on: (a) the current market value of the landowner's interest in the land at the date of this written request, as if the land was unaffected by the development, having regard to the: <ul style="list-style-type: none">• existing and permissible use of the land, in accordance with the applicable planning instruments at the date of the written request; and 21 <ul style="list-style-type: none">• presence of improvements on the land 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 2 of Schedule 3; (b) the reasonable costs associated with: <ul style="list-style-type: none">• relocating within the Lithgow local government area, or to any other local government area determined by the Secretary; and• 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 (c) reasonable compensation for any disturbance caused by the land acquisition process. However, if at the end of this period, the Applicant 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. Upon receiving such a request, the Secretary will request the President of the NSW Division of the Australian Property Institute to appoint a qualified independent valuer to: <ul style="list-style-type: none">• consider submissions from both parties;• 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;• prepare a detailed report setting out the reasons for any determination; and• provide a copy of the report to both parties.	Not triggered		Not triggered during the audit period.	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	<p>Within 14 days of receiving the independent valuer's report, the Applicant must make a binding written offer to the landowner to purchase the land at a price not less than the independent valuer's determination.</p> <p>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 will determine a fair and reasonable acquisition price for the land, having regard to the matters referred to in paragraphs (a)-(c) above, the independent valuer's report, the detailed report of the party that disputes the independent valuer's determination and any other relevant submissions.</p> <p>Within 14 days of this determination, the Applicant must make a binding written offer to the landowner to purchase the land at a price not less than the Secretary's determination. If the landowner refuses to accept the Applicant's binding written offer under this condition within 6 months of the offer being made, then the Applicant's obligations to acquire the land shall cease, unless the Secretary determines otherwise.</p>	Not triggered		Not triggered during the audit period.	
6	The Applicant must pay all reasonable costs associated with the land acquisition process described in condition 5 above, including the costs associated with obtaining LCC approval for any plan of subdivision (where permissible), and registration of this plan at the Office of the Registrar-General.	Not triggered		Not triggered during the audit period.	
SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING					
ENVIRONMENTAL MANAGEMENT					
Environmental Management Strategy					
1	<p>The Applicant must prepare and implement an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:</p> <p>(a) be submitted to the Secretary for approval within 6 months of the date of this approval, unless the Secretary agrees otherwise;</p> <p>(b) provide the strategic framework for environmental management of the development;</p> <p>(c) identify the statutory approvals that apply to the development;</p> <p>(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;</p> <p>(e) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none">• keep the local community and relevant agencies informed about the operation and environmental performance of the mining complex;• receive, handle, respond to, and record complaints;• resolve any disputes that may arise;• respond to any non-compliance;• respond to emergencies; and <p>(f) include:</p> <ul style="list-style-type: none">• copies of any strategies, plans and programs approved under the conditions of this consent; and• a clear plan depicting all the monitoring to be carried out in relation to the development.	Compliant	<ul style="list-style-type: none">• Springvale Coal Services Operation (SCSO) Environmental Management Strategy (EMS) (dated February 2021)• EMS approval letter from DPIE dated 04/03/2021.	<p>SCSO EMS Dated February 2021 and approved 04/03/2021.</p> <p><u>Preparation:</u></p> <p>a) Original EMS submitted 2/10/2014 and assessed as compliant during 2016 IEA.</p> <p>b) Strategic Framework outlined in Section 1.5</p> <p>c) Statutory approvals listed in Section 1.6</p> <p>d) Roles and responsibilities included in Section 3.1</p> <p>e) Procedures included in Section 3.4 and Section 3.5.</p> <p>f) Relevant documents referenced in Section 1.7, monitoring included in Section 4.2 and Appendix 1.</p> <p><u>Implementation:</u></p> <p>There were 41 complaints during the IEA period, however noting that these were by a single complainant.</p> <p>No non-compliances.</p> <p>Some exceedances of AQ criteria reported to DPIE, however these were due to regional dust events/bushfires.</p> <p>Inspections completed following 20mm of rainfall in 24h.</p> <p>Evidence of consultation for Noise reduction works.</p>	
Adaptive Management					
2	<p>The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:</p> <p>(a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not recur;</p> <p>(b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and</p> <p>(c) implement remediation measures as directed by the Secretary, to the satisfaction of the Secretary.</p>	Not triggered		<p>No exceedance of criteria attributable to WCS.</p> <p>Some exceedances of AQ criteria reported to DPIE, however these were due to regional dust events.</p>	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Management Plan Requirements					
3	<p>The Applicant must ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none">• the relevant statutory requirements (including any relevant approval, licence or lease conditions);• any relevant limits or performance measures/criteria;• the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none">• impacts and environmental performance of the development;• effectiveness of any management measures (see c above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the development over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none">• incidents;• complaints;• non-compliances with statutory requirements; and• exceedances of the impact assessment criteria and/or performance criteria; and <p>(h) a protocol for periodic review of the plan.</p>	Compliant	<ul style="list-style-type: none">• Springvale Coal Services Operation Environmental Management Strategy (2021)• Western Region Historic Heritage Management Plan (2018)• Western Region Noise Management Plan (2021)• Western Region Air Quality and Greenhouse Gas Management Plan (2021)• Western Region Aboriginal Cultural Heritage Management Plan (2017)• Western Region Biodiversity Offset Strategy 2019• Western Coal Services Water Management Plan (2014)	<p>The following management plans have been reviewed as part of this audit:</p> <ul style="list-style-type: none">• Springvale Coal Services Operation Environmental Management Strategy (2021)• Western Region Historic Heritage Management Plan (2018)• Western Region Noise Management Plan (2021)• Western Region Air Quality and Greenhouse Gas Management Plan (2021)• Western Region Aboriginal Cultural Heritage Management Plan (2017)• Western Region Biodiversity Offset Strategy 2019• Western Coal Services Water Management Plan (2014) <p>All management plans were found to generally address the requirements of this condition. Some management plans cover the Centennial Western Region sites, which includes the Western Coal Services Project and associated components. Western Region Management Plans contain "common measures" and site-specific measures in the appendices.</p> <p>IEMA generally recommends that all management plans include this condition in the compliance table at the beginning of the document. As the site has been progressively reviewing MPs, they have been including this condition in the compliance table in the document.</p>	
Annual Review					
4	<p>By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant must review the environmental performance of the development to the satisfaction of the Secretary. This review must:</p> <p>(a) describe the development that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the:</p> <ul style="list-style-type: none">• the relevant statutory requirements, limits or performance measures/criteria;• the monitoring results of previous years; and• the relevant predictions in the EIS; <p>(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>(d) identify any trends in the monitoring data over the life of the development;</p> <p>(e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the next year to improve the environmental performance of the development.</p>	Compliant	<p><u>2018 Annual Review</u></p> <ul style="list-style-type: none">• Submission Letters from Centennial to DPIE, Resources Regulator, Lithgow City Council, EPA, Forestry and DPI Water (dated 21 March 2019) for 2018 WCS Annual Review.• Letter from Resources Regulator to Centennial "Notice of Satisfactory AEMR" regarding 2018 Annual Review.• Letter from DPIE to Centennial "Western Coal Services Project 2018 Annual Review" noting the AR satisfies the requirements. <p><u>2019 Annual Review</u></p> <ul style="list-style-type: none">• Submission Letters from Centennial to DPIE, Resources Regulator, Lithgow City Council, EPA, & Forestry (dated 19 March 2020) for 2019 WCS Annual Review. <p><u>2020 Annual Review</u></p> <ul style="list-style-type: none">• Submission Letters from Centennial to DPIE, Resources Regulator, Lithgow City Council, EPA, Forestry (dated 17 March 2021) for 2020 WCS Annual Review.• Letter from DPIE to Centennial "Western Coal Services Project 2020 Annual Review" noting that the AR satisfies the requirements.	<p>Annual Reviews for 2018 (signed 20/3/19), 2019 (signed 18/3/20) & 2020 (Signed 16/3/21) have been reviewed, including submission letters and acceptance from DPIE/Resources Regulator.</p> <p>(a) Section 7 (Actions undertaken during reporting period) and Section 8 (Proposed actions for next reporting period).</p> <p>(b) Review of monitoring results included in Section 6 (Project Performance) and the appendices. Complaints are outlined in Appendix O (Community Information).</p> <p>(c) Non-compliances are summarised in Section 1 (Statement of Compliance) and Appendix Q (Incidents and non-compliances)</p> <p>(d) Trends are included in the appendices.</p> <p>(e) Predicted v actual impacts are reviewed in Appendix D (noise) and Appendix E (air quality).</p> <p>(f) Section 8 (Proposed actions for next reporting period) outlines improvement of environmental performance.</p>	
Revision of Strategies, Plans and Programs					
5	<p>Within 3 months of:</p> <p>(a) the submission of an annual review under Condition 4 above;</p> <p>(b) the submission of an incident report under Condition 7 below;</p> <p>(c) the submission of an audit report under Condition 9 below; or</p> <p>(d) any modification to the conditions of this consent, (unless the conditions require otherwise), the Applicant must review the strategies, plans, and programs required under this consent, 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 for the approval of the Secretary.</p>	Compliant	Approved site management plans.	<p>Management Plans were updated progressively over the audit period as required. Approved MPS during the audit period included: Western Region Air Quality & Greenhouse Gas MP (April 2021), Western Region Biodiversity Offset Strategy (February 2019), Springvale Coal Services Operation EMS (Feb 2021), Western Region Noise MP (Feb 2021), Springvale Coal Services Operation PIRMP (June 2021), Springvale Coal Services Operation Waste MP (April 2019), Western Coal Services MOP Amdt A (April 2020).</p> <p>A number of management plans were updated but still pending approval.</p>	
	<p><i>Note: The purpose of this condition is to ensure that strategies, plans and programs are regularly updated to incorporate any measures recommended to improve environmental performance of the development.</i></p>	Note		Noted	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Community Consultative Committee					
6	Within 3 months of the date of this consent, the Applicant must establish and operate a regional Community Consultative Committee (CCC) for the development in general accordance with the Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects (Department of Planning, 2007, or its latest version), and to the satisfaction of the Secretary. This CCC is to service this development and any other approved project and/or development operated by the company in the Wallerawang district.	Compliant	CCC Meeting Minutes.	The Central Western Region CCC combines the previously established Angus Place, Springvale and WCS CCCs to facilitate a single channel of communication regarding current operations in the area. During the IEA period CCC meetings were held 2-3 times each year (and were held online during Covid lockdowns). • November 2018. • April, August and November 2019. • April, August and November 2020. • February and May 2021.	
	Notes: • The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Applicant complies with this consent; and • The CCC should be comprised of an independent chair and appropriate representation from the Applicant, LCC, recognised environmental groups and the local community to the satisfaction of the Secretary.	Note		Noted	
REPORTING					
Incident Reporting					
7	The Applicant must immediately notify the Secretary and any other relevant agencies of any incident that has caused, or threatens to cause, material harm to the environment. For any other incident associated with the development, the Applicant must notify the Secretary and any other relevant agencies as soon as practicable after the Applicant becomes aware of the incident. Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	Not triggered		Not triggered. Note s3c15(d) does not apply to extraordinary events, therefore the dust elevated results reported were not considered incidents for the purposes of this conditions.	
Regular Reporting					
8	The Applicant must provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Compliant	Website monthly reports Annual Reviews	Website monthly reports Annual Reviews	
INDEPENDENT ENVIRONMENTAL AUDIT					
Independent Environmental Audit					
9	By the end of December 2015, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. This audit must: (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; (b) include consultation with the relevant agencies; (c) assess the environmental performance of the development and assess whether it is complying with the requirements in this consent, and any other relevant approvals, relevant EPL/s and/or Mining Lease/s (including any assessment, plan or program required under these approvals); (d) review the adequacy of any approved strategy, plan or program required under the abovementioned approvals; and (e) recommend measures or actions to improve the environmental performance of the development, and/or any strategy, plan or program required under these approvals.	Compliant	• Letter from Centennial to DPE dated 10/06/18 seeking endorsement of the 2018 IEA team. • Letter from DPIE to Centennial "Western Coal Services Project SSD-5579 Independent Environmental Audit" dated 13 July 2018. • Letter from DPIE to Centennial "Western Coal Services SSD-5579 Independent Environmental Audit" dated 14/08/2019. • Letter from DPIE to Centennial "Western Coal Services SSD-5579 Independent Environmental Audit Auditor Endorsement Request" dated 14/10/2021. • Email from Natalie Gardiner dated 7/12/21 confirming commencement of 2021 IEA.	2018 IEA (a) The 2018 IEA team (Mike Wooley and Kelly Thomas) was endorsed by DPIE in a letter dated 13/07/2018. (b) The 2018 IEA included consultation with DPIE, EPA, Resources Regulator, DPI Water/NRAR, Lithgow Council, Forestry and the CCC. (c) The 2018 IEA assessed the environmental performance of the development and compliance with the relevant approvals. (d) The 2018 IEA reviewed the adequacy of the approved management plans/programs. (e) The 2018 IEA made recommendations to improve the environmental performance of the development. 2021 IEA (a) The 2021 IEA team (Chris Jones, Jessica Coffey, Clayton Richards) was endorsed by DPIE in a letter dated 14/10/2021. (b) The 2018 IEA included consultation with DPIE, EPA, Resources Regulator, Water NSW, NRAR, Lithgow Council, BCD and the CCC. (c) to (e) These will be assessed in the 2021 IEA.	
	Note: This audit team must be led by a suitably qualified auditor, and include experts in field specified by the Secretary.	Note		Noted	
10	Within 3 months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.	Admin Non Compliance	• Independent Environmental Audit (IEA) Western Coal Services 2018 (MCW Environmental, 15 Jan 2019) • Email dated 27/02/2019 submitting IEA Report to DPE.	The 2018 IEA was dated 15 January 2019. MCW was commissioned in October 2018 and the IEA was submitted to DPIE on 27/02/2019. Therefore <u>administrative non-compliance</u> , however no further actions.	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
ACCESS TO INFORMATION					
11	<p>The Applicant must:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none">• the EIS;• all current statutory approvals for the development;• approved strategies, plans or programs required under the conditions of this consent;• a comprehensive summary of the monitoring results of the development, which have been reported in accordance with the various plans and programs approved under the conditions of this consent;• a complaints register, which is to be updated on a monthly basis;• minutes of CCC meetings;• the last five annual reviews;• any independent environmental audit, and the Applicant's response to the recommendations in any audit;• any other matter required by the Secretary; and <p>(b) keep this information up to date, to the satisfaction of the Secretary.</p>	Compliant	Springvale Coal Services website: https://www.centennialcoal.com.au/operations/springvale-coal-services/	<p>(a) IEMA reviewed the Centennial website on 16 December 2021 and the following documents were available:</p> <ul style="list-style-type: none">• the EIS and subsequent mods;• Development consent and EPL;• Management Plans and Programs;• Monthly environmental monitoring reports;• Monthly complaints register;• CCC meeting minutes;• Annual reviews;• 2018 IEA and Response to recommendations. <p>(b) All information sighted was current.</p>	

Statement of Commitments



Condition Number	Commitment	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Development Phase						
1.1	All construction operations are appropriately undertaken to minimise potential impacts to the environment.	Appropriate erosion and sediment control measures will be implemented for construction of the upgrading of the Washery and associated infrastructure (additional conveyors and transfer points on the Springvale Coal Services Site, refer to Figure 8 of the EIS), extension and enlargement of the existing REA, and construction of the Link Haul Road and overpass of the Castlereagh Highway and will be installed prior to commencement of disturbance activities, generally in accordance with the guidelines 'Managing Urban Stormwater – Soils and Construction, Volume 2E: Mines and Quarries' (DECC 2008).	Not triggered		Prior to the IEA period.	
1.2		A Works Authorisation Deed with RMS will be obtained for the overpass of the Castlereagh Highway prior to construction works within the highway easement.	Not triggered		Prior to the IEA period.	
1.3		Prior to construction a CEMP will be prepared for the Springvale Coal Services Site that will be implemented during the construction phase and will include: <ul style="list-style-type: none">• Noise Management Plan;• Air Quality Management Plan;• Site Water Management Plan;• Groundwater Management Plan;• Cultural Heritage Management Plan;• Weed Management Plan; and• Construction Traffic Management Plan.	Not triggered		Prior to the IEA period.	
1. General						
1.1	All operations are undertaken in a manner that will minimise the environmental impacts associated with the Project.	Operations will be undertaken generally in accordance with the description provided in this EIS dated April 2013.	Compliant		Generally in accordance with the EIS.	
2. Hours of Operation						
2.1	All operations are undertaken within the approved operating hours.	Operations may be undertaken 24 hours a day 7 days a week.	Compliant		Compliant	
3. Noise and Vibration						
3.1	All noise impacts are minimised to the greatest extent possible.	Removal of the northern two thirds of the existing Co-Disposal REA at the Springvale Coal Services Site within five years of Project Approval.	Low Non-Compliance		Has not been completed during the audit period. Noted that this is in the MOP and is planned for completion. HRA has been completed for this work.	NC REC 6: Details of the co-disposal works referenced in Statement of Commitments 3.1 to be included in the RMP.
3.2		The construction of the Link Haul Road in the location as depicted in Figure 1 of the EIS.	Not triggered		Prior to IEA period	
3.3		Material haulage will be managed to maintain compliance with the approved noise criteria on the private Haul Roads.	Compliant		Both haul roads are used minimally. Noise monitoring reports on the noise from operations being completed at the time of the monitoring events (generally wouldn't include haulage movements).	
3.4		Reduction of truck movements along Mt Piper Haul Road during prevailing noise enhancing weather conditions in order to meet the nominated Project Specific Noise Criteria. The default level will be zero trucking during these conditions until such time as noise monitoring confirms the truck movements required to meet the Project Specific Noise Criteria during these conditions.	Compliant	Site comms. Truck movement spreadsheet. "Road Haulage Code of Conduct" and 'Haulage Management Standard'	No truck movements during noise enhancing conditions (e.g. in the night time period or during inversions) as per site comms (truck movement spreadsheet also provided). "Road Haulage Code of Conduct" and 'Haulage Management Standard' provided.	
3.5		Within 6 months of the date of the Project Approval, A Noise Management Plan will be prepared for the entire PAA. The plan will be prepared in consultation with the EPA. The Noise Management Plan will include the existing monitoring and mitigation strategies contained in the current approved Angus Place Noise Monitoring program, specifically, quarterly inspections of road surfaces, quarterly attended and unattended monitoring to assess compliance and additional noise monitoring in response to noise complaints. The Noise Management Plan will include a protocol for determining the prevailing noise enhancing weather conditions which would trigger reduced transport on the Mt Piper Haul Road.	Not triggered	Noise Management Plan, Western Region, Feb 2021, Rev 4.	Outside the audit period. Noise Management Plan.	
3.6		The following dust mitigation measures will be implemented and will be completed prior to operating the new infrastructure: <ul style="list-style-type: none">❑ Enclosure of the existing and proposed Washery;❑ Enclosure of conveyor transfer points;❑ Loading of coal rejects from an enclosed bin;❑ Majority of coal reclaimed from stockpiles via underground reclaim tunnel;❑ Three quarter enclosed conveyors; and❑ New Link Haul Road will be fully sealed.	Not triggered		New infrastructure constructed prior to the IEA period.	

Statement of Commitments



Condition Number	Commitment	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
3.7		Location of infrastructure as per Figure 8 of the EIS.	Not triggered		Infrastructure constructed prior to the audit period.	
4. Air Quality						
4.1	All air quality impacts are minimised to the greatest extent possible.	The following dust mitigation measures will be implemented and will be completed prior to operating the new infrastructure: <div><input type="checkbox"/> Enclosure of the existing and proposed Washery;</div> <div><input type="checkbox"/> Enclosure of conveyor transfer points;</div> <div><input type="checkbox"/> Loading of coal rejects from an enclosed bin;</div> <div><input type="checkbox"/> Majority of coal reclaimed from stockpiles via underground reclaim tunnel;</div> <div><input type="checkbox"/> Three quarter enclosed conveyors;</div> <div><input type="checkbox"/> Stockpile water sprays which are wind activated;</div> <div><input type="checkbox"/> New Link Haul Road will be fully sealed;</div> <div><input type="checkbox"/> Regular use of water carts on unsealed roads trafficked by heavy vehicles. This will include the surface of the proposed REA; and</div> <div><input type="checkbox"/> Installation of a TEOM continuous atmospheric dust monitoring unit within the Blackmans Flat residential area.</div>	Not triggered		New infrastructure constructed prior to the IEA period. TEOM has been installed. Page 103 of the AQGGMP notes what has been completed.	
4.2		Within 6 months of the date of the Project Approval, an updated Air Quality Management Plan will be prepared for the entire PAA. The plan will be prepared in consultation with the EPA.	Not triggered		Completed prior to the audit period.	
5. Surface Water, Groundwater, Geomorphology and Aquatic						
5.1	All surface water groundwater and aquatic impacts are minimised to the greatest extent possible.	Within 6 months of Project Approval a single Water Management Plan will be prepared for the entire PAA and will include operation of the new infrastructure, water recycling system, surface and groundwater monitoring including Wangcol Creek mixing zone and a staged implementation of the separation of the Lamberts Gully drainage line as it passes through the Springvale Coal Services Site as well as the localised changes associated with approved Mt Piper Power Station Ash Emplacement Project.	Not triggered		Prior to audit period.	
5.2		Within 6 months of the date of the Project Approval apply for any necessary water licenses covering the Springvale Coal Services Site.	Not triggered		No water licences	
5.3		Within 5 years of the date of the Project Approval, complete the separation of clean and dirty water at the Springvale Coal Services Site. The design will include the diversion of upstream catchments of Huon Gully around the new REA. The sub-catchment containing the existing A Pit REA (previously the Lambert Gully upstream of the Springvale Coal Services Site Open Cut) as well as the new REA will be diverted into the New Sediment Dam. This sub-catchment currently discharges to Huon Gully without treatment and the staged bypass and therefore the proposed change will lead to improved water quality in Huon Gully. Following remediation of the new REA, this sub-catchment of Huon Gully will be restored.	Low Non-Compliance		Required within 5 years of the consent (i.e. by 4/4/2019) however not yet completed, therefore low non-compliance. The majority of the clean and dirty water separation has been completed. Some works still in progress. However noting that there is an EA modification being sought, which if approved, will include modifications to the water management systems. No further recommendations.	
5.4		Construct a staged bypass of the Conveyor Dam and Retention Pond on the Springvale Coal Services Site within 3 years of the date of the consent.	Not triggered		Prior to audit period. Refer to wording from previous IEA.	
5.5		Construct a pollution control pond control runoff from the new REA. This structure will have a capacity of approximately 15 ML and will be located on the north-eastern corner of the REA. The dam will have a pipe connection to the existing Washery Dam, which is connected to Cooks Dam via a pipeline. This will enable treated stormwater from the new REA to be recycled back to the Washery via Cooks Dam. This dam is to be constructed once the current A Pit REA is completed but prior to the base of the new REA being completed.	Not triggered		Not triggered. The REA (as constructed) is different to the original design proposed in the EIS. This is managed by the HRA process and occupies the same footprint. However this commitment does not apply.	
5.6		Provision of a belt press filter system (or equivalent) to recover water from the tailings produced from the new Washery. This water recovery system will cover tailings produced from the existing Washery but will be installed as part of the construction of the new Washery.	Not triggered		No belt press filter was required during the audit period. Currently using A Pit for tailings. New washery has not yet been constructed. Some studies have been done for a belt press.	
5.7		Apply for a separate EPL covering the entire PAA that includes LDP 003 (Kerosene Vale Stockpile Area) and LDP 006 and LDP 007 (conveyor at Duncan Street, Lidsdale).	Not triggered	Site comms.	Separate EPL for WCS and Angus Place (Kerosene vale) as per EPA requirements.	
5.8		Within 3 months of completion of the clean and dirty water separation system consent apply to relocate the current LDP006 to the spillway of Cooks Dam and replace the existing LDP006 with a license monitoring point.	Compliant		This is now LDP001 which only receives dirty water from the site. Clean water drain is not a LDP however it is internally monitored.	
5.9		Within 6 months of completion of the Link Haul Road, complete the additional riparian planting for a 100 m section of Wangcol Creek downstream of the Link Haul Road crossing. The species selection and density is to be determined in consultation with the WaterNSW and DPIE – Water.	Not triggered		Prior to audit period.	
5.10		Within 12 months of Project Approval, site specific trigger values based on ANZECC 2000 Guidelines will be developed for Wangcol Creek.	Not triggered		Prior to audit period. Assessed as compliant in previous IEA.	
5.11		To better understand the groundwater linkages, within 12 months of Project Approval, a baseline groundwater monitoring program will be established for the Springvale Coal Services Site. The baseline groundwater monitoring program will include: <div><input type="checkbox"/> Quarterly monitoring of water levels from a network of monitoring bores following the completion of construction;</div> <div><input type="checkbox"/> Six monthly sampling of monitoring bores for field analysis of pH, EC and temperature and laboratory analysis on major ions, pH, EC, TDS, dissolved arsenic, cadmium, chromium, copper, iron, lead, manganese, nickel and zinc; and</div> <div><input type="checkbox"/> An annual review so that its capacity as an accurate predictive tool can be assessed and maintained.</div>	Not triggered	Annual Reviews	Prior to audit period. GW monitoring program exists for the site. Groundwater monitoring results provided in Appendix S of the Annual Reviews. Monitoring of water levels is completed quarterly, and monitoring of groundwater quality is undertaken six-monthly.	

Statement of Commitments



Condition Number	Commitment	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
6. Visual						
6.1	All visual impacts are minimised to the greatest extent possible.	Prior to its completion, the battered slopes of the Link Haul Road overpass bridge will be planted with low maintenance hardy groundcover flowering species.	Not triggered			
6.2		Staged rehabilitation of the REA will be in accordance with the timeframes provided within the EIS.	Not triggered		REA is active. No opportunities for rehabilitation during the IEA period.	
7. Aboriginal Heritage Management						
7.1	Ensure that identified and unidentified Aboriginal Sites are appropriately managed.	Within six months of Project Approval, a CHMP will be prepared as part of the ongoing management of the Springvale Coal Services Site. The CHMP which will be developed in consultation with the Aboriginal Stakeholders.	Not triggered		Prior to audit period	
8. Traffic Management						
8.1	Project-related impacts on the road network are limited.	The Link Haul Road will be constructed in accordance with AUSROADS Guidelines in consultation with RMS.	Not triggered		Prior to audit period	
8.2		All construction sites associated with the infrastructure upgrade prepare and implement a Construction Traffic Management Plan.	Not triggered		Prior to audit period	
8.3		Upgrade Springvale Coal Services intersection line-marking to RMS standards.	Not triggered		Prior to audit period	
9. Contamination						
9.1	Potential contamination impacts are minimised to the greatest extent possible.	A Phase 2 Assessment of the entire Springvale Coal Services Site will be conducted before February 2015, in accordance with Springvale Coal's stated commitments to the NSW EPA (letter dated 2 February 2012).	Not triggered		Completed prior to audit period	
10. Rehabilitation						
10.1	Rehabilitation of the Springvale Coal Services Site is conducted in accordance with Industry Standards.	Within six months of Project Approval a single Rehabilitation Plan will be prepared for the entire PAA in consultation with the Department and will include the timeframes provided within this EIS, details of the rehabilitation methods, monitoring and reporting framework. Results arising from the implementation of the program will be reported each year in the Annual Review (currently referred to as the AEMR).	Not triggered		Completed prior to audit period.	
10.2		The rehabilitation program will include previous commitments from the Lamberts Gully Project Approval (06-0017) including Eucalyptus cannonii.	Compliant	Rehab Improvement Program. Annual Reviews MOP	Planting captured in the MOP and Annual Reviews.	

EPL 21229 (Western Coal Services)

Note that EPL commenced in May 2019.



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																				
1 Administrative Conditions																									
A1	What the licence authorises and regulates																								
A1.1	<div>This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.</div> <table><tr><th>Scheduled Activity</th><th>Fee Based Activity</th><th>Scale</th></tr><tr><td>Coal works</td><td>Coal works</td><td>> 5000000 T annual handling capacity</td></tr><tr><td>Waste disposal (application to land)</td><td>Waste disposal by application to land</td><td>Any capacity</td></tr></table>	Scheduled Activity	Fee Based Activity	Scale	Coal works	Coal works	> 5000000 T annual handling capacity	Waste disposal (application to land)	Waste disposal by application to land	Any capacity	Compliant	Annual Reviews	Within annual handling limits. Waste disposal relates to the STP.												
Scheduled Activity	Fee Based Activity	Scale																							
Coal works	Coal works	> 5000000 T annual handling capacity																							
Waste disposal (application to land)	Waste disposal by application to land	Any capacity																							
A2	Premises or plant to which this licence applies																								
A2.1	<div>The licence applies to the following premises:</div> <table><tr><th>Premises Details</th></tr><tr><td>WESTERN COAL SERVICES</td></tr><tr><td>1613 CASTLEREAGH HIGHWAY</td></tr><tr><td>BLACKMANS FLAT</td></tr><tr><td>NSW 2790</td></tr><tr><td> </td></tr><tr><td>WESTERN COAL SERVICES PREMISES AS IDENTIFIED ON PLAN PC7033 DATED 17 APRIL 2019 (EPA DOC19/17254-4).</td></tr></table>	Premises Details	WESTERN COAL SERVICES	1613 CASTLEREAGH HIGHWAY	BLACKMANS FLAT	NSW 2790		WESTERN COAL SERVICES PREMISES AS IDENTIFIED ON PLAN PC7033 DATED 17 APRIL 2019 (EPA DOC19/17254-4).	Note		Noted														
Premises Details																									
WESTERN COAL SERVICES																									
1613 CASTLEREAGH HIGHWAY																									
BLACKMANS FLAT																									
NSW 2790																									
WESTERN COAL SERVICES PREMISES AS IDENTIFIED ON PLAN PC7033 DATED 17 APRIL 2019 (EPA DOC19/17254-4).																									
A3	Information supplied to the EPA																								
A3.1	<div>Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to: a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</div>	Note		Noted																					
2 Discharges to Air and Water and Applications to Land																									
P1	Location of monitoring/discharge points and areas																								
P1.1	<div>The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.</div> <table><tr><th>EPA identi- fication no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr><tr><td>4</td><td>Dust deposition</td><td></td><td>Brays Lane adjacent to LDP002 labelled as DG3 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>5</td><td>Dust deposition</td><td></td><td>East of Western Coal Services Reject Emplacement Areas (REA's) shown as DG4 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>6</td><td>Dust Deposition</td><td></td><td>Noon Street Blackmans Flat shown as DG5 in Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>7</td><td>Real time monitoring of PM10.</td><td></td><td>Noon Street Blackman Flat shown as "Real Time" on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr></table>	EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description	4	Dust deposition		Brays Lane adjacent to LDP002 labelled as DG3 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	5	Dust deposition		East of Western Coal Services Reject Emplacement Areas (REA's) shown as DG4 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	6	Dust Deposition		Noon Street Blackmans Flat shown as DG5 in Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	7	Real time monitoring of PM10.		Noon Street Blackman Flat shown as "Real Time" on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	Compliant	Annual Reviews EPL Annual Returns 2019-2020 & 2020-2021. Air quality monitoring spreadsheets.	Annual Returns and monitoring spreadsheets provided confirm that depositional dust monitoring is undertaken at Points 4, 5, & 6, and PM10 monitoring was completed at Point 7, during 2019-2020 and 2020-2021.	
EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description																						
4	Dust deposition		Brays Lane adjacent to LDP002 labelled as DG3 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																						
5	Dust deposition		East of Western Coal Services Reject Emplacement Areas (REA's) shown as DG4 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																						
6	Dust Deposition		Noon Street Blackmans Flat shown as DG5 in Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																						
7	Real time monitoring of PM10.		Noon Street Blackman Flat shown as "Real Time" on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																						

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Note that EPL commenced in May 2019.



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																	
P1.2	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.	Note		Noted																		
P1.3	<div>The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.</div> <table><tr><th colspan="4">Water and land</th></tr><tr><th>EPA Identification no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr><tr><td>1</td><td>Discharge to water. Discharge quality monitoring. Discharge volume monitoring.</td><td>Discharge to water. Discharge quality monitoring. Discharge volume monitoring.</td><td>Drain from the final filter lagoon (sediment basin) to Neubecks Creek labelled as LDP001 (previously licence discharge point LDP008 on EPL 3607) as shown on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>2</td><td>Discharge to waters. Discharge quality monitoring.</td><td>Discharge to waters. Discharge quality monitoring.</td><td>Duncan Street coal conveyor transfer drain from final filter lagoon (sediment basin) labelled as LDP002 (previously licence discharge point LDP007 on EPL 3607) as shown on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4)</td></tr></table>	Water and land				EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	1	Discharge to water. Discharge quality monitoring. Discharge volume monitoring.	Discharge to water. Discharge quality monitoring. Discharge volume monitoring.	Drain from the final filter lagoon (sediment basin) to Neubecks Creek labelled as LDP001 (previously licence discharge point LDP008 on EPL 3607) as shown on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	2	Discharge to waters. Discharge quality monitoring.	Discharge to waters. Discharge quality monitoring.	Duncan Street coal conveyor transfer drain from final filter lagoon (sediment basin) labelled as LDP002 (previously licence discharge point LDP007 on EPL 3607) as shown on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4)	Compliant	Annual Reviews. EPL Annual Returns 2019-2020 & 2020-2021. Water quality monitoring spreadsheets.	Annual Returns and monitoring spreadsheets provided confirm that discharge water quality/volume monitoring is undertaken at Points 1 & 2 during 2019-2020 and 2020-2021. LDP001 and LDP002 were sighted in the field. LDP003 is on the Angus Place EPL.		
Water and land																						
EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description																			
1	Discharge to water. Discharge quality monitoring. Discharge volume monitoring.	Discharge to water. Discharge quality monitoring. Discharge volume monitoring.	Drain from the final filter lagoon (sediment basin) to Neubecks Creek labelled as LDP001 (previously licence discharge point LDP008 on EPL 3607) as shown on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																			
2	Discharge to waters. Discharge quality monitoring.	Discharge to waters. Discharge quality monitoring.	Duncan Street coal conveyor transfer drain from final filter lagoon (sediment basin) labelled as LDP002 (previously licence discharge point LDP007 on EPL 3607) as shown on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4)																			
P1.4	<div>The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.</div> <table><tr><th colspan="3">Noise/Weather</th></tr><tr><th>EPA identification no.</th><th>Type of monitoring point</th><th>Location description</th></tr><tr><td>8</td><td>Noise monitoring</td><td>Residence at Lot 3 DP1026541 Blackmans Flat shown as WNM1 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>9</td><td>Noise monitoring</td><td>Residence at Lot 1 DP 666540 shown as WNM2 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>10</td><td>Noise monitoring</td><td>Residence at Lot 1 DP963671 Blackmans Flat shown as WNM3 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr><tr><td>11</td><td>Noise monitoring</td><td>Residence at Lot 102 DP1096754 Blackmans Flat shown as WNM4 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).</td></tr></table>	Noise/Weather			EPA identification no.	Type of monitoring point	Location description	8	Noise monitoring	Residence at Lot 3 DP1026541 Blackmans Flat shown as WNM1 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	9	Noise monitoring	Residence at Lot 1 DP 666540 shown as WNM2 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	10	Noise monitoring	Residence at Lot 1 DP963671 Blackmans Flat shown as WNM3 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	11	Noise monitoring	Residence at Lot 102 DP1096754 Blackmans Flat shown as WNM4 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).	Compliant	Noise Monitoring reports. Annual Reviews.	Noise monitoring is undertaken at WNM1, WNM2, WNM3, WNM4, which represent EPL Points 8-11. Annual Returns and monitoring spreadsheets provided confirm that noise monitoring is undertaken at Points 8, 9, 10 & 11 during 2019-2020 and 2020-2021.
Noise/Weather																						
EPA identification no.	Type of monitoring point	Location description																				
8	Noise monitoring	Residence at Lot 3 DP1026541 Blackmans Flat shown as WNM1 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																				
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11	Noise monitoring	Residence at Lot 102 DP1096754 Blackmans Flat shown as WNM4 on Plan PC7033 dated 17 April 2019 (EPA DOC19/17254-4).																				
3 Limit Conditions																						
L1	Pollution of waters																					
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	Compliant	EPL Annual Returns. Annual Reviews.	Site complied with the POEO Act during the audit period.																		
L2	Concentration limits																					
L2.1	For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	Note		Noted																		
L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	Note		Noted																		
L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table/s.	Note		Noted																		

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Note that EPL commenced in May 2019.



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																														
L2.4	Water and/or Land Concentration Limits POINT 1,2 <table><tr><th>Pollutant</th><th>Units of Measure</th><th>50 Percentile concentration limit</th><th>90 Percentile concentration limit</th><th>3DGM concentration limit</th><th>100 percentile concentration limit</th></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td></td><td></td><td></td><td>10</td></tr><tr><td>pH</td><td>pH</td><td></td><td></td><td></td><td>6.5 - 8.5</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td></td><td></td><td></td><td>30</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td></td><td></td><td></td><td>50</td></tr></table>	Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre				10	pH	pH				6.5 - 8.5	Total suspended solids	milligrams per litre				30	Turbidity	nephelometric turbidity units				50	Compliant	Site coms. Site inspection. EPL Annual Returns. Annual Reviews. Water monitoring spreadsheets.	LDP001 regularly discharges. LDP002 - Based on site discussions this hasn't discharged during the audit period. It is manually inspected to identify any discharges. No sampling of this point. Cover letter for EPL Variation dated 18 December 2020 notes that the EPL doesn't contain metals or other known environmental contaminants.	IMP REC 19: Investigate options to detect discharges at LDP002 i.e. level sensor for volume. Other option is quarterly water testing to get an understanding of water quality.
Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit																														
Oil and Grease	milligrams per litre				10																														
pH	pH				6.5 - 8.5																														
Total suspended solids	milligrams per litre				30																														
Turbidity	nephelometric turbidity units				50																														
L2.5	The concentration limits stipulated by condition L2.4 for EPA identification point 1 and 2 are deemed not to apply when the discharge from the stormwater control structures (sediment dams) occurs solely as a result of rainfall measured at the premises which exceeds: a) a total of 56 millimetres of rainfall over any consecutive 5 day period.	Note		Noted. This has been triggered during the audit period at LDP001, however water quality has remained within criteria requirements.																															
	Note: A 56mm rainfall event is defined by the EPA endorsed publication "Managing urban stormwater: soils and construction" (Landcom 2004; 6-24) as the rainfall depth in millimetres for a 95th percentile 5 day rainfall event for "Lithgow" which is also consistent with the storage capacity (recommended minimum design criteria) for Type D sediment basins for mines and quarries (see "Managing urban stormwater: soils and construction, Volume 2E, mines and quarries" (DECC, 2008).	Note		Noted																															
L2.6	The concentration limit for total suspended solids stipulated by condition L2.4 for EPA identification point 1 and 2 is deemed not to have been breached where: a) the water discharged is covered by condition L2.5; or b) the water discharged complies with the turbidity limit at the time of the discharge; and c) the EPA is advised within 3 working days of the completion of the sample testing and analysis as required by condition M2.3 of any results above the licence limit.	Not triggered	Site comms. Water monitoring spreadsheets.	Not triggered during the audit period.																															
	Note: The purpose of condition L2.6 is to expediate the assessment and subsequent discharge of the clarified water from the stormwater control structures (sediment basins).	Note		Noted																															
L3	Volume and mass limits																																		
L3.1	For each discharge point or utilisation area specified below (by a point number), the volume/mass of: a) liquids discharged to water; or; b) solids or liquids applied to the area; must not exceed the volume/mass limit specified for that discharge point or area. <table><tr><th>Point</th><th>Unit of Measure</th><th>Volume/Mass Limit</th></tr><tr><td>1</td><td>megalitres</td><td></td></tr></table>	Point	Unit of Measure	Volume/Mass Limit	1	megalitres		Not triggered	Site comms. Water monitoring spreadsheets.	No volume limit.																									
Point	Unit of Measure	Volume/Mass Limit																																	
1	megalitres																																		

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Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																																																												
L4	Waste																																																																
L4.1	<div>The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below. Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below. Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below. This condition does not limit any other conditions in this licence.</div> <table><tr><th>Code</th><th>Waste</th><th>Description</th><th>Activity</th><th>Other Limits</th></tr><tr><td>NA</td><td>Filtration residuals</td><td>Residuals from primary treatment of mine water from the Springvale Water Treatment Project</td><td>Waste disposal (application to land)</td><td>Volume accepted must not exceed 0.35 ML/day (annual average) or 0.43 ML/day (daily maximum)</td></tr></table>	Code	Waste	Description	Activity	Other Limits	NA	Filtration residuals	Residuals from primary treatment of mine water from the Springvale Water Treatment Project	Waste disposal (application to land)	Volume accepted must not exceed 0.35 ML/day (annual average) or 0.43 ML/day (daily maximum)	Compliant	Annual Reviews. Website reports. Spreadsheet with water treatment disposal daily volume levels.	<div>Spreadsheet with water treatment disposal daily volume levels provided. Annual Reviews include a summary that confirms that all volumes (daily and annual average) did not exceed the required limits.</div> <div>The volume limit is managed by Veolia, and they send the data to Centennial. Veolia are the third party who manage the Water Treatment Plant. Centennial doesn't have any management control over this, however they are contractually obligated to meet all approval conditions.</div>																																																			
Code	Waste	Description	Activity	Other Limits																																																													
NA	Filtration residuals	Residuals from primary treatment of mine water from the Springvale Water Treatment Project	Waste disposal (application to land)	Volume accepted must not exceed 0.35 ML/day (annual average) or 0.43 ML/day (daily maximum)																																																													
L5	Noise limits																																																																
L5.1	<div>Noise generated at the premises that is measured at each noise monitoring point established under this licence must not exceed the noise levels specified in Column 4 of the table below for that point during the corresponding time periods specified in Column 1 when measured using the corresponding measurement parameters listed in Column 2.</div> <div>POINT 10<table><tr><th>Time period</th><th>Measurement parameter</th><th>Measurement frequency</th><th>Noise level dB(A)</th></tr><tr><td>Day</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>36</td></tr><tr><td>Evening</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>Night-LA1 (1 minute)</td><td>Quarterly</td><td>45</td></tr></table></div> <div>POINT 11<table><tr><th>Time period</th><th>Measurement parameter</th><th>Measurement frequency</th><th>Noise level dB(A)</th></tr><tr><td>Day</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Evening</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>36</td></tr><tr><td>Night</td><td>Night-LA1 (1 minute)</td><td>Quarterly</td><td>45</td></tr></table></div> <div>POINT 8<table><tr><th>Time period</th><th>Measurement parameter</th><th>Measurement frequency</th><th>Noise level dB(A)</th></tr><tr><td>Day</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>40</td></tr><tr><td>Evening</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>Night-LA1 (1 minute)</td><td>Quarterly</td><td>47</td></tr></table></div>	Time period	Measurement parameter	Measurement frequency	Noise level dB(A)	Day	LAeq (15 minute)	Quarterly	36	Evening	LAeq (15 minute)	Quarterly	35	Night	LAeq (15 minute)	Quarterly	35	Night	Night-LA1 (1 minute)	Quarterly	45	Time period	Measurement parameter	Measurement frequency	Noise level dB(A)	Day	LAeq (15 minute)	Quarterly	35	Evening	LAeq (15 minute)	Quarterly	35	Night	LAeq (15 minute)	Quarterly	36	Night	Night-LA1 (1 minute)	Quarterly	45	Time period	Measurement parameter	Measurement frequency	Noise level dB(A)	Day	LAeq (15 minute)	Quarterly	40	Evening	LAeq (15 minute)	Quarterly	35	Night	LAeq (15 minute)	Quarterly	35	Night	Night-LA1 (1 minute)	Quarterly	47	Compliant	EPL Annual Returns (2019-20 and 2020-21). Annual Reviews. Noise Monitoring Reports.	EPL Annual Returns don't report on noise monitoring, however the Annual Reviews note that monitoring was completed during the IEA period at points WNM1, WNM2, WNM3, WNM4, which represent EPL Points 8-11. During the IEA period there were no exceedances of noise criteria.	
Time period	Measurement parameter	Measurement frequency	Noise level dB(A)																																																														
Day	LAeq (15 minute)	Quarterly	36																																																														
Evening	LAeq (15 minute)	Quarterly	35																																																														
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Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																				
	<div>POINT 9</div> <table><thead><tr><th>Time period</th><th>Measurement parameter</th><th>Measurement frequency</th><th>Noise level dB(A)</th></tr></thead><tbody><tr><td>Day</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>41</td></tr><tr><td>Evening</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>LAeq (15 minute)</td><td>Quarterly</td><td>35</td></tr><tr><td>Night</td><td>Night-LA1 (1 minute)</td><td>Quarterly</td><td>55</td></tr></tbody></table>	Time period	Measurement parameter	Measurement frequency	Noise level dB(A)	Day	LAeq (15 minute)	Quarterly	41	Evening	LAeq (15 minute)	Quarterly	35	Night	LAeq (15 minute)	Quarterly	35	Night	Night-LA1 (1 minute)	Quarterly	55				
Time period	Measurement parameter	Measurement frequency	Noise level dB(A)																						
Day	LAeq (15 minute)	Quarterly	41																						
Evening	LAeq (15 minute)	Quarterly	35																						
Night	LAeq (15 minute)	Quarterly	35																						
Night	Night-LA1 (1 minute)	Quarterly	55																						
	<i>Note: LAeq means the equivalent continuous noise level - the level equivalent to the energy average of noise levels occurring over a measurement period. Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays. Evening is defined as the period of 6pm to 10pm. Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am on Sundays and Public Holidays.</i>	Note		Noted. Washery can operate 24/7 however not during the IEA period.																					
L5.2	The noise emission limits identified in this licence apply under all meteorological conditions except: a) during rain and wind speeds (at 10m height) greater than 3m/s; and b) under "non-significant weather conditions".	Note		Noted. Appendix H of the noise monitoring reports includes the weather data.																					
	<i>Note: Field meteorological indicators for non-significant weather conditions are described in the NSW Industrial Noise Policy, Chapter 5 and Appendix E in relation to wind and temperature inversions.</i>	Note		Noted																					
L5.3	Notwithstanding Condition L4.1, the noise limit specified under that condition does not apply to any sensitive receiver where a noise agreement is in place between the licensee and the respective landowner(s) in relation to noise impacts and/or noise limits.	Not triggered	Site comms.	Mine Manager (Geoff Rapson) and the Group Manager Stakeholder Engagement (James Marshall) confirmed that no noise agreements were entered into during the audit period.																					
L6	Hours of operation																								
L6.1	Dozer operations may only occur during the day time periods. Day time is defined under condition L4.1.	Compliant	Dozer work hours (from Henry Plant & Equipment Hire)	Mainly loaders, fewer dozers.																					
4 Operating Conditions																									
O1	Activities must be carried out in a competent manner																								
O1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Compliant	Waste reports (JR Richards)	Site inspection noted appropriate waste management and separation. Most equipment is hired through Henrys, and they have a responsibility to dispose to them.																					
O2	Maintenance of plant and equipment																								
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner.	Compliant	Various Toolbox Talks. Environmental Induction Assessment. Work Orders Spreadsheet x 2. TEOM and Met station calibration evidence. Noise monitoring calibration evidence. Inducted Contractors Spreadsheet. SCSO Training Skills Spreadsheet.	(a) Work orders provided as evidence of plant and equipment being maintained in a proper and efficient condition. (b) Training records provided as evidence of operation in a proper and efficient manner.																					

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Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action								
O3	Dust												
O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Compliant	Site inspection	No dust sighted during site inspection. Evidence of water trucks used, records of water truck hours. Sprays are available.									
O3.2	All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.	Compliant	Site inspection	No dust sighted during site inspection. Evidence of water trucks used, records of water truck hours. Sprays are available.									
O3.3	Trucks entering and leaving the premises that are carrying loads of dust generating materials must have their loads covered at all times, except during loading and unloading.	Compliant	Site comms. Site inspection.	Minor truck movements. SCSO (WCS) does not truck coal material from the site.									
O4	Waste management												
O4.1	There must be no incineration or burning of any waste at the premises.	Compliant	Site comms.	No waste burned on site.									
O5	Other operating conditions												
O5.1	The stormwater control structures (sediment dams) identified at condition P1.3 EPA identification points 1 and 2 must be drained or pumped out as necessary to maintain each basins design storage capacity within 5 days following rainfall.	Compliant	Site comms. Site inspection.	Water from Cooks Dam (LDP001) is pumped out for dust suppression. Noting that LDP001 is allowed to discharge. No discharge from LDP002 during IEA period, no ability to pump out of LDP002 (can use sucker truck).									
O5.2	Water discharged to comply with condition O5.1 may only be discharged to waters from those stormwater control structures (sediment dams) identified at EPA identification point 1 and 2 where the discharged water complies with the discharge limits stipulated at condition L2.4 (taking into consideration condition L2.5).	Compliant	Site inspection	Site inspection did no indicate any other potential discharge sources.									
O5.3	The licensee must undertake maintenance to desilt all sediment basins to retain their design storage capacities.	Compliant	Site inspection	Evidence of some desilting observed during site inspection.	IMP REC 20: Stockpile Sediment Pond to be desilted to retain design capacity.								
5 Monitoring and Recording Conditions													
M1	Monitoring records												
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Compliant	Monitoring reports and spreadsheets.	All records from the audit period were available to the auditor.									
M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced to a legible form; b) kept for at least 4 years after the monitoring or event to which they relate took place; and c) produced in a legible form to any authorised officer of the EPA who asks to see them.	Compliant	Site inspection	All records from the audit period were available to the auditor.									
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: a) the date(s) on which the sample was taken; b) the time(s) at which the sample was collected; c) the point at which the sample was taken; and d) the name of the person who collected the sample.	Compliant	Monitoring spreadsheets	Monitoring spreadsheets sighted note all the required information.									
M2	Requirement to monitor concentration of pollutants discharged												
M2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns.	Compliant	EPL Annual Returns. Air quality monitoring spreadsheets.	Monitoring was completed at each required point during the audit period.									
M2.2	Air Monitoring Requirements <div>POINT 4,5,6</div> <table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Particulates - Deposited Matter</td><td>grams per square metre per month</td><td>Monthly</td><td>AM-19</td></tr></table>	Pollutant	Units of measure	Frequency	Sampling Method	Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19	Compliant	Monitoring spreadsheets. Annual Reviews	EPL Annual Returns confirm that monitoring was undertaken at EPL Points 4-7 as required. Monitoring spreadsheets reviewed	
Pollutant	Units of measure	Frequency	Sampling Method										
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19										

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Note that EPL commenced in May 2019.



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																																			
	<div>POINT 7</div> <table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>PM10</td><td>micrograms per cubic metre</td><td>Continuous</td><td>AM-15</td></tr></table>	Pollutant	Units of measure	Frequency	Sampling Method	PM10	micrograms per cubic metre	Continuous	AM-15		Annual Returns Monthly Reports.	and confirm monitoring undertaken as required.																												
Pollutant	Units of measure	Frequency	Sampling Method																																					
PM10	micrograms per cubic metre	Continuous	AM-15																																					
M2.3	Water and/ or Land Monitoring Requirements	Compliant	Monitoring spreadsheets. Annual Reviews Annual Returns Monthly Reports.	EPL Annual Returns confirm that monitoring was undertaken at EPL Point 1 as required. Monitoring spreadsheets reviewed and confirm monitoring undertaken as required.																																				
	<div>POINT 1</div> <table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Conductivity</td><td>microsiemens per centimetre</td><td>Monthly during discharge</td><td>Representative sample</td></tr><tr><td>Iron (dissolved)</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Manganese (dissolved)</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Nickel (dissolved)</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>pH</td><td>pH</td><td>Monthly during discharge</td><td>Representative sample</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td>Monthly during discharge</td><td>Representative sample</td></tr><tr><td>Zinc (dissolved)</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr></table>					Pollutant	Units of measure	Frequency	Sampling Method	Conductivity	microsiemens per centimetre	Monthly during discharge	Representative sample	Iron (dissolved)	milligrams per litre	Monthly during discharge	Grab sample	Manganese (dissolved)	milligrams per litre	Monthly during discharge	Grab sample	Nickel (dissolved)	milligrams per litre	Monthly during discharge	Grab sample	Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample	pH	pH	Monthly during discharge	Representative sample	Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample	Turbidity	nephelometric turbidity units	Monthly during discharge
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Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample																																					
Turbidity	nephelometric turbidity units	Monthly during discharge	Representative sample																																					
Zinc (dissolved)	milligrams per litre	Monthly during discharge	Grab sample																																					
	<div>POINT 2</div> <table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Conductivity</td><td>microsiemens per centimetre</td><td>Monthly during discharge</td><td>Representative sample</td></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>pH</td><td>pH</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td>Monthly during discharge</td><td>Representative sample</td></tr></table>	Pollutant	Units of measure	Frequency	Sampling Method	Conductivity	microsiemens per centimetre	Monthly during discharge	Representative sample	Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample	pH	pH	Monthly during discharge	Grab sample	Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample	Turbidity	nephelometric turbidity units	Monthly during discharge	Representative sample	Not triggered	Site comms. EPL Annual Returns.	No discharge from LDP002 during the audit period.												
Pollutant	Units of measure	Frequency	Sampling Method																																					
Conductivity	microsiemens per centimetre	Monthly during discharge	Representative sample																																					
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample																																					
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Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample																																					
Turbidity	nephelometric turbidity units	Monthly during discharge	Representative sample																																					
M3	Testing methods - concentration limits																																							
M3.1	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.	Compliant	Monitoring spreadsheets.	ALS monitoring spreadsheets note the monitoring is done in accordance with the relevant standards.																																				
	Note: The Protection of the Environment Operations (Clean Air) Regulation 2010 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".	Note		Noted																																				
M3.2	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.	Compliant	Monitoring spreadsheets.	ALS monitoring spreadsheets note the wastewater monitoring is done in accordance with the approved methods, trained staff, etc.																																				

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Note that EPL commenced in May 2019.



Note that EPL commenced in May 2019.

Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action												
M4	Recording of pollution complaints																
M4.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	Compliant	Complaints register	Complaints register maintained on the centennial website. No complaints since 2019.													
M4.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the licensee, the reasons why no action was taken.	Compliant	Complaints register	Complaints register maintained on the centennial website. No complaints since 2019.													
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Compliant	Complaints register	Complaints records were available to the auditor.													
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Not triggered		Not triggered during the IEA period.													
M5	Telephone complaints line																
M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	Compliant	Website. Site inspection. Noise reduction study letter.	Complaints line on the Centennial website and front gate. Noise reduction study letter to the community (2020) includes phone number.													
M5.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Compliant	Website. Site inspection.	Complaints line on the Centennial website and front gate.													
M5.3	The preceding two conditions do not apply until 3 months after the date of the issue of this licence.	Note		Noted													
M6	Requirement to monitor volume or mass																
M6.1	For each discharge point or utilisation area specified below, the licensee must monitor: a) the volume of liquids discharged to water or applied to the area; b) the mass of solids applied to the area; c) the mass of pollutants emitted to the air; at the frequency and using the method and units of measure, specified below. <table><tr><td colspan="3">POINT 1</td></tr><tr><td>Frequency</td><td>Unit of Measure</td><td>Sampling Method</td></tr><tr><td>Daily during any discharge</td><td>megalitres per day</td><td>In line instrumentation</td></tr></table>	POINT 1			Frequency	Unit of Measure	Sampling Method	Daily during any discharge	megalitres per day	In line instrumentation	Compliant	Live readings at LDP001.	Evidence of real time water monitoring sighted. Volumes and water quality parameters. Live readings at LDP001 provided and reviewed.				
POINT 1																	
Frequency	Unit of Measure	Sampling Method															
Daily during any discharge	megalitres per day	In line instrumentation															
M7	Noise monitoring																
M7.1	To assess compliance with the noise limits specified within this licence, the licensee must undertake operator attended noise monitoring at each specified noise monitoring point in accordance with the table below. <table><tr><td colspan="4">POINT 8,9,10,11</td></tr><tr><td>Assessment period</td><td>Minimum frequency in a reporting period</td><td>Minimum duration within assessment period</td><td>Minimum number of assessment period</td></tr><tr><td>Day, Evening, Night</td><td>Special Frequency 1</td><td>15 minutes</td><td>1 operation day</td></tr></table>	POINT 8,9,10,11				Assessment period	Minimum frequency in a reporting period	Minimum duration within assessment period	Minimum number of assessment period	Day, Evening, Night	Special Frequency 1	15 minutes	1 operation day	Compliant	EPL Annual returns. Annual Reviews. Noise monitoring reports.	Annual Reviews note that monitoring was completed during the IEA period at points WNM1, WNM2, WNM3, WNM4, which represent EPL Points 8-11. During the IEA period there were no exceedances of noise criteria. Noise reports provided and reviewed and confirm that noise monitoring was completed at the frequencies/duration required.	
POINT 8,9,10,11																	
Assessment period	Minimum frequency in a reporting period	Minimum duration within assessment period	Minimum number of assessment period														
Day, Evening, Night	Special Frequency 1	15 minutes	1 operation day														
	Note: For the purpose of M7.1, Special Frequency 1 means undertake noise monitoring once a year and in response to any complaint made to the licensee. Where monitoring is in response to a complaint made to the licensee, the noise monitoring need only cover the assessment period(s) for which the complaint is referring.	Note	Monthly Compliance Noise Monitoring reports.	Noted. These requirements are addressed in the monthly noise monitoring reports.													

EPL 21229 (Western Coal Services)

Note that EPL commenced in May 2019.



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action
6 Reporting Conditions					
R1	Annual return documents				
R1.1	<p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <ol style="list-style-type: none"> 1. a Statement of Compliance, 2. a Monitoring and Complaints Summary, 3. a Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and 7. a Statement of Compliance - Environmental Management Systems and Practices. <p>At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.</p>	Compliant	<ul style="list-style-type: none"> • Signed EPL Annual Return document for the reporting period 17/5/2019 to 16/5/2020. • Signed EPL Annual Return document for the reporting period 17/5/2020 to 16/5/2021. • SCSO PIRMPs for the IEA period (Dec 2019, May 2020, June 2021) <ul style="list-style-type: none"> • PIRMP testing evidence (17/12/2019, 16/12/2020). • PIRMP Toolbox Talk dated 11/5/20. 	<ul style="list-style-type: none"> • WCS LDPs previously covered in Springvale EPL 3607 from 2018-2019. EPL21229 Came in the place in 2019. • 2019-2020 AR noted compliance with all conditions. Signed by Tony Macko (Secretary) and Michael Clark (Director) dated 2/6/20. • 2020-2021 AR noted compliance with all conditions. Signed by Tony Macko (Secretary) and Craig Gillard (Director) dated 11/07/2021. • SCSO PIRMPs provided for the IEA period (Dec 2019, May 2020, June 2021) • PIRMP testing evidence provided. 	
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	Compliant	EPL Annual Returns	EPL Annual Returns provided for 2019-20 and 2020-21 reporting periods. EPL commenced in May 2019 therefore no Annual returns prior to this.	
	<i>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</i>	Note		Noted	
R1.3	<p>Where this licence is transferred from the licensee to a new licensee:</p> <ol style="list-style-type: none"> a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period. 	Not triggered		No licence transferred during the audit period.	
	<i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i>	Note		Noted	
R1.4	<p>Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:</p> <ol style="list-style-type: none"> a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or b) in relation to the revocation of the licence - the date from which notice revoking the licence operates. 	Not triggered		No licences suspended during the audit period.	
R1.5	The Annual Return for the reporting period must be supplied to the EPA via eConnect EPA or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	Compliant	Annual returns	<p>Reporting period ends on 16 May therefore Annual Return required to be submitted by 15 July each year.</p> <ul style="list-style-type: none"> • 2019-20 Annual Return submitted to the EPA on 03/06/2020. • 2020-21 Annual Return submitted to the EPA on 13/07/2021. <p>Therefore these are within the required timeframe.</p>	
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	Compliant	Annual returns	Copies are available to the auditors.	
R1.7	<p>Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <ol style="list-style-type: none"> a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder. 	Compliant	Signed EPL Annual Returns	Signed copies sighted.	

EPL 21229 (Western Coal Services)

Note that EPL commenced in May 2019.



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action
R2	Notification of environmental harm				
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	Not triggered			
	<i>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</i>	Note			
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	Not triggered			
R3	Written report				
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: a) where this licence applies to premises, an event has occurred at the premises; or b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	Not triggered	Site comms		
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	Not triggered	Site comms		
R3.3	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.	Not triggered	Site comms		
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.	Not triggered	Site comms		
7 General Conditions					
G1	Copy of licence kept at the premises or plant				
G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Compliant	Site inspection	EPL is available on site, sighted during audit.	
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	Not triggered		Not triggered	
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Compliant	Site inspection	EPL is available on site, sighted during audit.	
8 Pollution Studies and Reduction Programs					
U1	Cessation of Cooks Dam discharge to Neubecks Creek				
U1.1	By 31 January 2021, the licensee must lodge a Preferred Project Plan to the EPA detailing the preferred option for managing water currently discharged through LDP001.	Compliant	PRP (Jan 2021). Submission email dated 29/01/2021.	PRP provided (dated Jan 2021). Submission email dated 29/01/2021.	

EPL 467 (Kerosene Vale - relevant conditions only)



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																														
P1.3	<p>The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.</p> <table><tr><th colspan="4">Water and land</th></tr><tr><th>EPA Identification no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr><tr><td>3</td><td>Discharge to waters Discharge quality monitoring</td><td>Discharge to waters Discharge quality monitoring</td><td>Discharge from the Kerosene Vale sediment dam west of the Haul Road labelled as Point LDP003 on plan PC7026 titled "Angus Place Colliery EPL Boundaries" dated 26 March 2019 filed as DOC19/303398.</td></tr></table>	Water and land				EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	3	Discharge to waters Discharge quality monitoring	Discharge to waters Discharge quality monitoring	Discharge from the Kerosene Vale sediment dam west of the Haul Road labelled as Point LDP003 on plan PC7026 titled "Angus Place Colliery EPL Boundaries" dated 26 March 2019 filed as DOC19/303398.	Compliant	EPL Annual Returns.	Monitoring was undertaken at LDP003 during the IEA period.																			
Water and land																																			
EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description																																
3	Discharge to waters Discharge quality monitoring	Discharge to waters Discharge quality monitoring	Discharge from the Kerosene Vale sediment dam west of the Haul Road labelled as Point LDP003 on plan PC7026 titled "Angus Place Colliery EPL Boundaries" dated 26 March 2019 filed as DOC19/303398.																																
P1.4	<p>P1.4 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.</p> <table><tr><th>EPA Identification no.</th><th>Type of monitoring point</th><th>Location description</th></tr><tr><td>20</td><td>Noise monitoring</td><td>APNM1 at Sharp Residence R1 Lot 2 DP 825887 Wolgan Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398).</td></tr><tr><td>21</td><td>Noise monitoring</td><td>APNM2 at Mason residence R2 Lot 354 DP 751636 Groves Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)</td></tr><tr><td>22</td><td>Noise monitoring</td><td>APNM3 at residence within Lot 100 DP1033592 Wolgan Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)</td></tr><tr><td>23</td><td>Noise monitoring</td><td>APNM4 at Angus Place Colliery as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)</td></tr><tr><td>24</td><td>Noise monitoring</td><td>R3 Lidsdale village Neubeck Street</td></tr></table>	EPA Identification no.	Type of monitoring point	Location description	20	Noise monitoring	APNM1 at Sharp Residence R1 Lot 2 DP 825887 Wolgan Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398).	21	Noise monitoring	APNM2 at Mason residence R2 Lot 354 DP 751636 Groves Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)	22	Noise monitoring	APNM3 at residence within Lot 100 DP1033592 Wolgan Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)	23	Noise monitoring	APNM4 at Angus Place Colliery as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)	24	Noise monitoring	R3 Lidsdale village Neubeck Street	Compliant	EPL Annual Returns. Angus Place Annual Reviews. Angus Place quarterly noise monitoring results.	Annual Reviews include noise monitoring results for EPL Monitoring Points. No EPL non compliances for noise during IEA period. Quarterly noise monitoring is undertaken at EPL Points 20, 21 and 24 to assess impacts of road noise. There were no exceedances recorded during the IEA period. Note that this condition was captured as no haul road noise monitoring is undertaken by WCS.													
EPA Identification no.	Type of monitoring point	Location description																																	
20	Noise monitoring	APNM1 at Sharp Residence R1 Lot 2 DP 825887 Wolgan Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398).																																	
21	Noise monitoring	APNM2 at Mason residence R2 Lot 354 DP 751636 Groves Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)																																	
22	Noise monitoring	APNM3 at residence within Lot 100 DP1033592 Wolgan Road as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)																																	
23	Noise monitoring	APNM4 at Angus Place Colliery as shown on plan PC7026 dated 26 March 2019 (DOC19/303398)																																	
24	Noise monitoring	R3 Lidsdale village Neubeck Street																																	
L2.4	<p>L2.4 Water and/or Land Concentration Limits</p> <table><tr><th>Pollutant</th><th>Units of Measure</th><th>50 percentile concentration limit</th><th>90 percentile concentration limit</th><th>3DGM concentration limit</th><th>100 percentile concentration limit</th></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td></td><td></td><td></td><td>10</td></tr><tr><td>pH</td><td>pH</td><td></td><td></td><td></td><td>6.5-8.5</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td></td><td></td><td></td><td>30</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td></td><td></td><td></td><td>40</td></tr></table>	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre				10	pH	pH				6.5-8.5	Total suspended solids	milligrams per litre				30	Turbidity	nephelometric turbidity units				40	Compliant	EPL Annual Returns	EPL Annual Returns include water quality monitoring results for LDP0003. No EPL non compliances for LDP003 water quality during IEA period.	
Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit																														
Oil and Grease	milligrams per litre				10																														
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EPL 467 (Kerosene Vale - relevant conditions only)



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action										
L2.5	<p>L2.5 The limits specified under Condition L2.4 for the sediment basin identified as EPA licence discharge points 2 and 3 do not apply when the discharge occurs within five (5) days after a rainfall event measured at the premises which exceeds;</p> <p>- a total of 44 millimetre of rainfall over any consecutive 5 day period.</p> <p><i>Note: A 44mm rainfall depth is defined by the publication "Managing Urban Stormwater: Soils and Construction" (Landcom 2006) as the rainfall depth in millimetres for a 95th percentile 5 day rainfall event for the Central Tablelands consistent with the storage capacity (recommended minimum design criteria) for Type D sediment retention basins for mines and quarries (Vol 2E of Landcom 2008).</i></p>	Note		Noted											
L2.6	<p>L2.6 The concentration limit for Total Suspended Solids (TSS) under condition L2.4 is deemed not to have been breached where:</p> <p>1. the sample complies with the turbidity limit at the time of the discharge, and</p> <p>2. the EPA is advised within 3 working days of completion of the TSS testing, of any TSS results above the licence limit.</p> <p><i>Note: The purpose of this condition is to expedite the assessment and subsequent discharge of the clarified water from the sediment basins. The correlation between TSS and turbidity will be subject to ongoing review based on the test results.</i></p>	Note		Noted											
L3.1	<p>L3 Waste</p> <p>L3.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled “Waste” and meeting the definition, if any, in the column titled “Description” in the table below.</p> <p>Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled “Activity” in the table below.</p> <p>Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled “Other Limits” in the table below.</p> <p>This condition does not limit any other conditions in this licence.</p> <table><tr><th>Code</th><th>Waste</th><th>Description</th><th>Activity</th><th>Other Limits</th></tr><tr><td>NA</td><td>Drilling mud and/or muddy waters from drilling operations</td><td>Sediments from surface drilling activities from Springvale Mine</td><td>Waste storage</td><td>Drilling sediments must be: 1.received from the Springvale Mine only. 2. only be stored in the bunded area at the Kerosene Vale Stockpile Area as outlined on figures A1 and A2 received by the EPA on 12/08/2020 (DOC20/492082-4). 3. only be utilised for rehabilitation at the Kerosene Vale site. The volume of sediments received must not exceed 2 ML.</td></tr></table>	Code	Waste	Description	Activity	Other Limits	NA	Drilling mud and/or muddy waters from drilling operations	Sediments from surface drilling activities from Springvale Mine	Waste storage	Drilling sediments must be: 1.received from the Springvale Mine only. 2. only be stored in the bunded area at the Kerosene Vale Stockpile Area as outlined on figures A1 and A2 received by the EPA on 12/08/2020 (DOC20/492082-4). 3. only be utilised for rehabilitation at the Kerosene Vale site. The volume of sediments received must not exceed 2 ML.	Compliant	Hunter Water Solutions (HWS) Daily Activity Reports provided.	Hunter Water Solutions (HWS) Daily Activity Reports provided which note the dates, and the number of trucks that supplied loads of drill mud to the Kerosene Vale site. Site confirmed that the maximum capacity per truck load is 10,000L.	
Code	Waste	Description	Activity	Other Limits											
NA	Drilling mud and/or muddy waters from drilling operations	Sediments from surface drilling activities from Springvale Mine	Waste storage	Drilling sediments must be: 1.received from the Springvale Mine only. 2. only be stored in the bunded area at the Kerosene Vale Stockpile Area as outlined on figures A1 and A2 received by the EPA on 12/08/2020 (DOC20/492082-4). 3. only be utilised for rehabilitation at the Kerosene Vale site. The volume of sediments received must not exceed 2 ML.											
M1.3	<p>M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:</p> <p>a) the date(s) on which the sample was taken;</p> <p>b) the time(s) at which the sample was collected;</p> <p>c) the point at which the sample was taken; and</p> <p>d) the name of the person who collected the sample.</p>	Compliant	LDP003 spreadsheet results. Quarterly Haul Road noise monitoring reports.	<ul style="list-style-type: none">ALS water quality monitoring spreadsheet for LDP003 includes date/time of sample, point, and person collecting sample.SLR quarterly Haul Road Noise Monitoring Reports include date/time of sample, monitoring point, and the name of who prepared the report.											

EPL 467 (Kerosene Vale - relevant conditions only)



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action																								
M2.3	<p>M2.3 Water and/ or Land Monitoring Requirements</p> <p>POINT 3</p> <table><thead><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr></thead><tbody><tr><td>Conductivity</td><td>microsiemens per centimetre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>pH</td><td>pH</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td>Monthly during discharge</td><td>Grab sample</td></tr></tbody></table>	Pollutant	Units of measure	Frequency	Sampling Method	Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample	Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample	pH	pH	Monthly during discharge	Grab sample	Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample	Turbidity	nephelometric turbidity units	Monthly during discharge	Grab sample	Compliant	EPL Annual Returns	EPL Annual Returns include water quality monitoring results for LDP0003. No EPL non compliances for LDP003 water quality during IEA period.	
Pollutant	Units of measure	Frequency	Sampling Method																										
Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample																										
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Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample																										
Turbidity	nephelometric turbidity units	Monthly during discharge	Grab sample																										
R1.1	<p>R1 Annual return documents</p> <p>R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <p>1. a Statement of Compliance,</p> <p>2. a Monitoring and Complaints Summary,</p> <p>3. a Statement of Compliance - Licence Conditions,</p> <p>4. a Statement of Compliance - Load based Fee,</p> <p>5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,</p> <p>6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and</p> <p>7. a Statement of Compliance - Environmental Management Systems and Practices.</p> <p>At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.</p>	Compliant	Signed EPL Annual Return documents for the reporting period (2018, 2019 & 2020)	2018, 2019 and 2020 Annual Returns do not include any non-compliances with any of the LDP003 or noise conditions.																									
R1.2	<p>R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.</p> <p><i>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</i></p>	Compliant	Signed EPL Annual Return documents for the reporting period (2018, 2019 & 2020)	2018, 2019 and 2020 Annual Returns do not include any non-compliances with any of the LDP003 or noise conditions.																									
R1.3	<p>R1.3 Where this licence is transferred from the licensee to a new licensee:</p> <p>a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and</p> <p>b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.</p> <p><i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i></p>	Not triggered	EPL Annual Returns.	Not triggered. Licence held by Centennial Springvale Pty Ltd for 2018-2020 reporting periods.																									
R1.4	<p>R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:</p> <p>a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</p> <p>b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.</p>	Not triggered	EPL Annual Returns.	Not triggered. Licence held by Centennial Springvale Pty Ltd for 2018-2020 reporting periods.																									
R1.5	<p>R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect EPA or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').</p>	Compliant	EPL Annual Returns.	<p>Reporting period ends on 31 December therefore Annual Return required to be submitted by 1 March each year.</p> <ul style="list-style-type: none">• 2018 Annual Return submitted to the EPA on 22/02/2019.• 2019 Annual Return submitted to the EPA on 16/01/2020.• Q1 & Q2 2020 Annual Return submitted to the EPA on 17/08/2020.• Q3 & Q4 2020 Annual Return submitted to the EPA on 01/03/2021 <p>Therefore these are within the required timeframe.</p>																									
R1.6	<p>R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.</p>	Compliant	EPL Annual Returns.	EPL Annual Returns were able to be provided for the reporting periods.																									

EPL 467 (Kerosene Vale - relevant conditions only)



Condition Number	Condition	Compliance Status	Evidence Provided	Finding	Recommended Action
R1.7	R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	Compliant	EPL Annual Returns.	EPL Annual Returns were signed by: • 2018: Tony Macko (Company Secretary), and Peter Parry (Director). • 2019: Tony Macko (Company Secretary), and Peter Parry (Director). • 2020: Tony Macko (Company Secretary), and Craig Gillard (CEO).	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Notice to Landholders					
1	(a) Within a period of three months from the date of grant/renewal of this mining lease, the lease holder must serve on each landholder a notice in writing indicating that this mining lease has been granted/renewed and whether the lease includes the surface. A plan identifying each landholder and individual land parcel subject to the lease area, and a description of the lease area must accompany the notice.	Not triggered	ML204	Not triggered during the IEA period. Last renewal was 2014.	
	(b) If there are ten or more landholders, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this mining lease has been granted/renewed; state whether the lease includes the surface and must contain a plan and description of the lease area. If a notice is made under condition 1(b), compliance with condition 1(a) is not required.	Not triggered	ML204	Not triggered during the IEA period. Last renewal was 2014.	
Rehabilitation					
2	Any disturbance resulting from the activities carried out under this mining lease must be rehabilitated to the satisfaction of the Minister.	Compliant	Annual Reviews	Rehabilitation is being undertaken on disturbed areas as available (noting limited disturbance footprint).	
Mining Operations Plan and Annual Rehabilitation Report					
3	(a) The lease holder must comply with an approved Mining Operations Plan (MOP) in carrying out any significant surface disturbing activities, including mining operations, mining purposes and prospecting. The lease holder must apply to the Minister for approval of a MOP. An approved MOP must be in place prior to commencing any significant surface disturbing activities, including mining operations, mining purposes and prospecting.	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.MOP Approval Letter from Resources Regulator dated 26/02/2018.MOP Amdt A Approval	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020. No mining operations during the IEA period. No MOP non-compliances during the IEA period.	
	(b) The MOP must identify the post mining land use and set out a detailed rehabilitation strategy which: (i) identifies areas that will be disturbed; (ii) details the staging of specific mining operations, mining purposes and prospecting; (iii) identifies how the mine will be managed and rehabilitated to achieve the post mining land use; (iv) identifies how mining operations, mining purposes and prospecting will be carried out in order to prevent and or minimise harm to the environment; and (v) reflects the conditions of approval under: <ul style="list-style-type: none">the Environmental Planning and Assessment Act 1979;the Protection of the Environment Operations Act 1997; andany other approvals relevant to the development including the conditions of this mining lease.	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.MOP Approval Letter from Resources Regulator dated 26/02/2018.MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	(b) The post mining land use is outlined in Section 4, and the proposed rehabilitation is captured in Section 7 of the MOP: (i) Areas that will be disturbed are noted in Section 2.2. (ii) Activities during the MOP term are included in Section 2. (iii) Proposed rehabilitation is included in Section 7. (iv) Environmental management is included in Section 3. (v) Conditions of approval are captured in Section 1.2.	
	(c) The MOP must be prepared in accordance with the ESG3: Mining Operations Plan (MOP) Guidelines September 2013 published on the Department's website at www.resources.nsw.gov.au/environment	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(d) The lease holder may apply to the Minister to amend an approved MOP at any time.	Compliant	WCS MOP 1 January 2018 to 31 December	The WCS MOP was amended during the IEA period on 6 April 2020.	
	(e) It is not a breach of this condition if: (i) the operations which, but for this condition 3(e) would be a breach of condition 3(a), were necessary to comply with a lawful order or direction given under the Environmental Planning and Assessment Act 1979, the Protection of the Environment Operations Act 1997, the Mine Health and Safety Act 2004 I Coal Mine Health and Safety Act 2002 and Mine Health and Safety Regulation 2007 I Coal Mine Health and Safety Regulation 2006 or the Work Health and Safety Act 2011 and (ii) the Minister had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.	Not triggered		Not triggered.	
	(f) The lease holder must prepare a Rehabilitation Report to the satisfaction of the Minister. The report must: (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP; (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resources.nsw.gov.au/environment . <i>Note: The Rehabilitation Report replaces the Annual Environmental Management Report.</i>	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (i) Rehabilitation progress is provided in Section 6.14 and Appendix N of the Annual Reviews. (ii) Annual Reviews are submitted by 31 March each year. (iii) Annual Reviews are prepared in accordance with DPIE Annual Review Guidelines.	
Non-Compliance Reporting					
4	(a) The lease holder must notify the Department upon becoming aware of any breaches of the conditions of this mining lease or breaches of the Mining Act or Regulations;	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	
	(b) Notifications under condition 4(a) must be provided in the form specified on the Department's website within seven (7) days of the mining lease holder becoming aware of the breach.	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Environmental Incident Report					
5	The lease holder must provide environmental incident notifications and reports to the Secretary no later than seven (7) days after those environmental incident notifications and reports are provided to the relevant authorities under the Protection of the Environment Operations Act 1997.	Not triggered	Annual Reviews	Not triggered. No reportable environmental incidents during the IEA period.	
Extraction Plan Condition					
6	(a) In this condition: (i) approved Extraction Plan means a plan, being: A. an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary on or before 31 December 2014; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease. (b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan. (c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease. (d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A. built features; B. public safety; or C. subsidence monitoring.	Not triggered		Not triggered. No mining completed during the IEA period.	
Resource Recovery					
7	The lease holder must optimise recovery of the minerals that are the subject of this mining lease to the extent economically feasible.	Not triggered		Not triggered. No mining completed during the IEA period.	
Group Security					
8	The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations of all or any kind under the mining lease, including obligations of all or any kind under the mining lease that may arise in the future. The amount of the security deposit to be provided as a group security has been assessed by the Minister at \$6,750,000 . The leases covered by the group security include: Mineral Lease No's 204 & 564 and Private Lands Lease No.133 (C&S Act 1906) Consolidated Coal Lease No.733 (Act 1973) Coal Lease No's 361, 377 & 394 (Act 1973) Mining Purposes Lease No.314 (Act 1973) Mining Lease No's 1303, 1319, 1323, 1326, 1352, 1448, 1537, 1588 & 1670 (Act 1992).	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
Cooperation Agreement					
9	The lease holder must make every reasonable attempt, and be able to demonstrate its attempts, to enter into a cooperation agreement with the holder(s) of any overlapping title(s). The cooperation agreement should address but not be limited to issues such as: <ul style="list-style-type: none">• access arrangements• operational interaction procedures• dispute resolution• information exchange• well location• timing of drilling• potential resource extraction conflicts; and• rehabilitation issues.	Not triggered		Not triggered. No overlapping titles held by other companies.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Barriers					
10	(a) The lease holder shall not work or cause to be worked any seam of coal within the subject area without leaving, if the Minister, by order, given in writing to the lease holder, so directs, a barrier of such width or a protective pillar or pillars of such size or sizes as is specified in the order, against any surface improvements or any feature whether natural or artificial.	Not triggered		Not triggered. No mining completed during the IEA period.	
	(b) Unless with the consent of the Minister and subject to such conditions as he may impose the lease holder shall not work or cause to be worked any seam of coal in the barrier of 9.144 metres in width as shown by red edging on the plan hereto.	Not triggered		Not triggered. No mining completed during the IEA period.	

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19.8ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Extraction of Coal					
1	The lease holder shall extract as large a percentage of the coal in the subject area as is practicable consistent with the provisions of the Coal Mines Regulations Act 1982 and the Regulations thereunder an shall comply with any direction given or which may be given in this regards by the minister.	Not triggered	Annual Reviews	No coal extraction during IEA period.	
Mining, Rehabilitation, Environmental Management Process (MREMP) Mining Operations Plan (MOP)					
2	(1) Mining operations, including mining purposes, must be conducted in accordance with a Mining Operations Plan (the Plan) satisfactory to the Director-General. The plan together with environmental conditions of development consent and other approvals will form the basis for: (a) ongoing mining operations and environmental management, and (b) ongoing monitoring of the project	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.MOP Approval Letter from Resources Regulator dated 26/02/2018.MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	Operations during the IEA period were completed in accordance with an approved MOP.	
	(2) The plan must be prepared in accordance with the Director-General's guidelines current at the time of lodgement.	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(3) A plan must be lodged with the Director-General: (a) prior to the commencement of operations (b) subsequently as appropriate prior to the expiry of any current plan; and (c) accordance with any direction issues by the Director-General	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.MOP Approval Letter from Resources Regulator dated 26/02/2018.MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.	
	(4) The Plan must be present a schedule of proposed mine development for a period of up to seven (7) years and contain diagrams and documentation which identify: (a) area(s) proposed to be disturbed under the Plan (b) mining and rehabilitation method(s) to be used and their sequence (c) areas to be used for disposal of tailings/waste (d) existing and proposed surface infrastructure (e) progressive rehabilitation schedules (f) areas of particular environmental sensitivity (g) water management systems (including erosion and sediment controls) (h) proposed resource recovery; and (i) where the mine will cease extraction during the term of the Plan, a closure plan including final rehabilitation objectives/methods and post mining landuse/vegetation	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.	(4) The MOP covers the 7 year period from 2018-2024. (a) Proposed disturbance outlined in Section 2.2 (b) Proposed rehabilitation outlined in Section 7 and shown in MOP Plans. (c) Reject emplacement covered in Section 2.2.8 and 2.2.9. (d) Surface infrastructure outlined in Section 2.4 (e) Progressive rehabilitation included in Section 7. (f) Areas of environmental sensitivity covered in Section 3. (g) Water management addressed in Section 3.2.3. (h) Not applicable. (i) Not applicable.	
	(5) The Plan when lodged will be reviewed by the Department of Mineral Resources	Compliant	<ul style="list-style-type: none">MOP Approval Letter from Resources Regulator dated 26/02/2018.MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.	
	(6) The Director-General may within two (2) months of the lodgement of a plan required modification and relodgement	Not triggered		Not triggered	
	(7) If a requirement in accordance with clause (6) is not issued within two months of the lodgement of a plan, lease holder may proceed with implementation of the Plan submitted, subject to the lodgement of the required security deposit within the specified time.	Not triggered		Not triggered	
	(8) During the life of the Mining Operations Plan, proposed modifications to the Plan must be lodged with the Director-General and will subject to the review process outlined in clauses (5) - (7) above.	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
Annual Environmental Management Report (AEMR)					
3	(1) Within 12 months of the commencement of mining operations and thereafter annually or, at such other times as may be allowed by the Director-General, the lease holder must lodge an Annual Environmental Management Report (AEMR) with the Director-General.	Compliant	Annual Reviews	Annual Reviews cover the requirement of an AEMR. Submitted annually in March.	
	(2) The AEMR must be prepared in accordance with the Director-Genera's guidelines current at the time of reporting and contains a review and forecast of performance for the preceding and ensuring twelve months in terms of: (a) the accepted Mining Operations Plan (b) development consent requirements and conditions (c) Environmental Protection Authority and Department of Land and Water Conservation licences and approvals (d) any other statutory environmental requirements (e) details of any variations to environmental approvals applicable to the lease area; and (f) where relevant progress towards final rehabilitation objectives.	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (a) Section 3, Section 6.14 and Appendix N (b) Section 3 (c) Section 3 (d) Section 3 (e) Section 3 (f) Section 6.14 and Appendix N	

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19.8ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	(3) After considering an AEMR the Director-General may, by notice in writing, direct the lease holder to undertake operations, remedial actions or supplementary studies in the manner and within the period specified in the notice to ensure that operations on the lease area are conducted in accordance with sound mining and environmental practice.	Not triggered		Not triggered.	
	(4) The lease holder shall, as and when directed by the Minister, co-operate with the Director-General to conduct and facilitate review of the AEMR involving other government agencies.	Compliant	Annual Reviews	Annual Review is provided to the following government agencies: DPIE, Resources Regulator, Lithgow City Council, EPA, Forestry and DPI Water.	
BARRIERS					
9	The lease holder shall not work or cause to be worked any seam of coal within the subject area without leaving, if the Minister, so directs, a barrier of such width or a protective pillar or pillars of such size or sizes against any surface improvements of any feature whether natural or artificial.	Not triggered	Annual Reviews	No coal extraction during IEA period.	
MANAGEMENT AND REHABILITATION OF LANDS (GENERAL)					
19	The lease holder shall observe any instruction given or which may be given by the Minister with a view to minimising or preventing public inconvenience or damage to public or private property.	Not triggered		Not triggered	
20	If required to do so by the Minister and within such time as may be stipulated by the Minister the lease holder shall carry out to the satisfaction of the Minister surveys of structures, buildings and pipelines on adjacent landholdings to determine the effect of operations on any such structures, buildings and pipelines.	Not triggered		Not triggered	
21	Upon completion of operations on the surface of the subject area or upon the expiry or sooner determination of this authority or any renewal thereof, the lease holder shall remove from such surface such buildings, machinery, plant, equipment, constructions and works as may be directed by the Minister and such surface shall be rehabilitated and left in a clean, tidy and safe condition to the satisfaction of the Minister.	Not triggered		Not triggered	
22	If so directed by the Minister the lease holder shall rehabilitate to the satisfaction of the Minister and within such time as may be allowed by the Minister any lands within the subject area which may have been disturbed by mining or prospecting operations whether such operations were or were not carried out by the lease holder.	Not triggered		No direction received.	
TREES (PLANTING AND PROTECTION OF FLORA AND FAUNA AND ARBOREAL SCREENS)					
27	If so directed by the Minister, the lease holder shall ensure that operations are carried out in such manner so as to minimise disturbance to flora and fauna within the subject area.	Not triggered		No triggered. No direction given from the Minister.	
ROADS					
31	The lease holder shall pay to Council of the City of Lithgow, Department of Land and Water Conservation or the Chief Executive, Roads and Traffic Authority the cost incurred by such Council or Department or Chief Executive of making good any damage caused by operations carried on by or under the authority of the lease holder to any road adjoining or traversing the surface or the excepted surface, as the case may be of the subject area. PROVIDED HOWEVER that the amount to be paid by the lease holder as aforesaid shall be reduced by such sum of money if any as may be paid to the said Council the Department of Land and Water Conservation or the Chief Executive, Roads and Traffic Authority as the case may be from the Mine Subsidence Compensation Fund constituted under the Mine Subsidence Compensation Act, 1961, in settlement of a claim for compensation for the same damage.	Not triggered		No impact on roads.	
CATCHMENT AREAS					
34	(a) The lease holder shall carry out operations in such a way as to conform strictly to all provisions of the Sydney Water Catchment Management Act 1998 and the regulations thereunder applying to the prevention of pollution of the Warragamba Outer Catchment Area or the preservation of the purity of the water supply provided thereby or derived therefrom or for the protection of the property of Sydney Catchment Authority [hereinafter referred to as the 'the Authority'] on the Outer Catchment Area and also to all requirements of the Authority from time to time under the said Act or any of the regulations for the time being in force. (b) If the lease holder shall at any time be using or about to use any process which in the opinion of the Authority is likely to pollute the Outer Catchment Area or the water supply or to endanger any property of the Authority on the Outer Catchment Area the lease holder upon service of a notice in writing under the hand of the Minister to do so shall: (i) discontinue the use of such process within twenty four (24) hours, or (ii) thereafter refrain from adopting such process at any time, as the case may require. (c) The lease holder shall provide and maintain to the satisfaction of the Minister efficient means to prevent the contamination, pollution, erosion or siltation of any stream or watercourse or Outer Catchment Area and shall observe any instruction given or which may be given by the Minister with a view to preventing or minimising the contamination, pollution or siltation of any stream watercourse or Outer Catchment Area. (d) The lease holder hereby covenants with Us Ours Heirs and Successors and as a separate covenant the lease holder hereby covenants with the Authority and its Successors that the lease holder shall at all times hereafter save harmless and keep Us and the said Authority and Our Heirs and Successors and the Successors of the said Authority indemnified from payment of compensation and from and against all actions proceedings claims and demands in respect of any injury loss of damage arising out of or in any way connected with any interference with or deprivation or loss of access to the land and premises of this authority which may occur by reason of any works or operations undertaken or carried out by the said Authority or arising out of or in any way connected with any discontinuance or alteration of any process consequent upon the service of a notice in pursuance of the provisions of Condition 34(b) or arising out of or in any way connected with the operation of any regulations relating to Outer Catchment Area in force at the date hereof or made by the said Authority at any time hereafter and the lease holder hereby agrees that for the purpose of this condition the said Authority shall be deemed to be a party to this authority.	Compliant	Water management Plan. Surface Water Monitoring Program. Annual Reviews. EPL Annual Returns	(a) No pollution incidents occurred within the Warragamba Outer Catchment Area during the IEA period. (b) Not triggered. (c) Water Management Plan is in place which includes a water monitoring system. No exceedances of water monitoring criteria during the IEA period. (d) Not triggered during the IEA period.	

ML 564

19.8ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
35	<p>The lease holder shall:</p> <p>(a) Make such provisions for sanitation as may be directed by the Authority and shall at all times observe and perform any requirements of the said Authority respecting sanitation.</p> <p>(b) not establish any camps or habitations within any area under the control of the Authority unless with the consent of the Authority.</p> <p>(c) Not sink any drillhole within the stored waters on the subject area nor within 40 metres of the top water level thereof unless with the consent of the Authority.</p> <p>(d) Not sink any drillhole within any watercourse on the Warragamba Outer Catchment Area nor within 800 metres thereof unless with the consent of the Authority.</p> <p>(e) Not interfere with or impede the use of the Authority tracks of endanger their stability in any way by reason of the operations.</p> <p>(f) Not construct any road to the sites of any drillholes unless with the consent of the Authority to the proposed route and type of road construction.</p> <p>(g) Not interfere in any way with any fences on or adjacent to the Warragamba Outer Catchment Area unless with the consent in writing of the owner thereof or the Authority.</p> <p>(h) Give twenty eight (28) days notice to the General Manger Catchment Operations and Major Projects, Sydney Catchment Authority, Penrith, of its intention to commence drilling operations.</p> <p>(i) Not cut or remove any timber except such as directly obstructs or prevents the carrying on of operations and the lease holder shall obtain the consent in writing of the Authority before making use of the timber so cut for other than in connection with operations.</p> <p>(j) Complete work in relation to rehabilitation within the Warragamba Outer Catchment Area before termination of the authority to the satisfaction of the Authority.</p> <p>(Additional Clauses as requested by the Sydney Catchment Authority)</p> <p>(k) Consult with the Authority with regards to appropriate initial survey mapping and other studies of surface features above the lease and surrounds and their condition particularly drainage lines, hanging swamps, rock pools, cliff lines, rock overhangs, fracture patterns and lineaments. The lease area and surrounds should be surveyed at appropriate intervals during mining to measure subsidence impacts on the surface. The initial survey results and reports on the continued monitoring should be sent to the General Manger Catchment Operations and Major Projects, Sydney Catchment Authority, Penrith.</p> <p>(l) Consult with the Authority and take account of their input in the planning phase of rehabilitation to ensure the measures to be undertaken are to the satisfaction of the Authority with regards to water quality protection and future landuse.</p>	Compliant	Site inspection MOP Water Management Plan	<p>(a) Toilets and adequate sanitation are made available on site.</p> <p>(b) Not triggered. No camps exist within the lease area.</p> <p>(c) Not triggered. No drilling completed within IEA period.</p> <p>(d) Not triggered. No drilling completed within IEA period.</p> <p>(e) Not triggered. No impacts to tracks during IEA period.</p> <p>(f) Not triggered. No drilling completed within IEA period.</p> <p>(g) Not triggered. No impacts to fences during IEA period.</p> <p>(h) Not triggered. No drilling completed within IEA period.</p> <p>(i) Not triggered. No timber cutting completed within IEA period.</p> <p>(j) Compliant. Rehabilitation is ongoing during the IEA period. Authority is not yet terminated.</p> <p>(k) Not triggered. No mining during IEA period.</p> <p>(l) The Rehabilitation Management Plan (MOP) and the Water Management Plan are both prepared in consultation with WaterNSW (former Sydney Catchment Authority).</p>	
Labour/Expenditure					
44	Deleted		-	-	
ADDITIONAL INFORMATION					
45	<p>The lease holder shall if directed by the Minister and within such time as the Minister may stipulate furnish to the Minister:</p> <p>(a) information regarding the ownership of the land within the subject area;</p> <p>(b) information regarding the ownership of the coal within the subject area prior to 1st January, 1982;</p> <p>(c) an indemnity in a form approved by the Minister indemnifying the Crown and the Minister against any wrong payment effected as a result of incorrect information furnished by the lease holder;</p> <p>(d) information regarding the financial viability of the lease holder and operations within and associated with the subject area; and</p> <p>(e) information regarding shareholdings in the lease holder.</p>	Not triggered		Not triggered. No direction for information from the Minister provided during the IEA period.	
SERVICE OF NOTICES					
46	<p>Within a period of three (3) months from the date of service of the notice of renewal, or within such further time as the Director General may allow, the lease holder shall serve on each landholder within the subject area a notice in writing indicating that this authority has been renewed and whether the authority includes the surface. The notice shall be accompanied by an adequate plan and description of the subject area.</p> <p>If there are ten (10) or more landholders affected the lease holder may serve the notice by publication in a newspaper circulating in the region where the subject area is situated. The notice shall indicate that this authority has been renewed, state whether the authority includes the surface and shall contain an adequate plan and description of the subject area.</p>	Not triggered	ML 564	Not triggered during the IEA period, ML 564 last renewed in 2003.	
INSPECTORS					
47	<p>(a) Where an Inspector under the Mining Act 1992 is of the opinion that any condition of this authority relating to operations within the subject area, or any provision of the Mining Act, 1992, relating to operations within the subject area, are not being complied with by the lease holder, the Inspector may serve on the /ease holder a notice stating that and give particulars of the reason why, and may in such notice direct the lease holder:</p> <p>(i) to cease operations within the subject area in contravention of that condition or Act; and</p> <p>(ii) to carry out within the specified time works necessary to rectify or remedy the situation.</p> <p>(b) The lease holder shall comply with the directions contained in any notice served pursuant to sub paragraph (a) of this condition. The Director General may confirm, vary or revoke any such direction.</p> <p>(c) A notice referred to in his condition may be served on the Colliery Manager.</p>	Not triggered		Not triggered. No notices issued by the Director.	
INDEMNITIES					
48	<p>The lease holder shall indemnify and keep indemnified the Crown from and against all actions suits and claims and demands of whatsoever nature and all costs charges and expense which may be brought against the lease holder or which the lease holder may incur respect of any accident or injury to any person or property which may arise out of the construction maintenance or working of any workings now existing or to be made by the lease holder within the boundaries of the subject area or in connection with any of the operations notwithstanding that all other conditions of this authority shall in all respects have been observed by the lease holder or that any such accident or injury shall arise from any act or thing which the lease which the lease holder may be licensed or compelled to do hereunder.</p>	Note		Noted	

ML 564

19.8ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
49	Lease holder shall save harmless the Crown from payment of compensation and from and against all claims, actions, suits or demands whatsoever in the event of any damage resulting from mining operations under or near the subject area.	Note		Noted	
PROSPECTING (GENERAL)					
50	(a) Where the lease holder desires to commence prospecting operations in the subject area the lease holder shall notify the Director General in writing and shall comply with such additional conditions as the Minister may impose including any condition requiring the lodgement of an additional bond or other form of security for rehabilitation of the area affected by such operations. (b) Where the. lease holder notifies the Director General pursuant to sub paragraph (a) of this condition the lease holder shall furnish with that notification details of the type of prospecting methods that would be adopted and the extent and location of the area that would be affected by them.	Not triggered		Not triggered. No prospecting activities completed during the IEA period.	
SECURITY DEPOSIT					
51	(a) The lease holder shall, upon request by the Director General, lodge with the Minister the sum of \$813,000.00 as security for the fulfillment of the obligations of the lease holder under Mineral Leases No's 204 and 564 and Private Lands Lease No. 133 (Act 1906), Consolidated Coal Lease No.733 and Coal Leases No's. 361 and 394 (Act 1973) and Mining Lease No. 1319 (Act 1992). In the event that the lease holder fails to fulfill any of the lease holder's obligations under these authorities the said sum may be applied at the discretion of the Minister towards the cost of fulfilling such obligations. For the purposes of the clause a lease holder shall be deemed to have failed to fulfill the lease holder's obligations under these authorities, if the lease holder fails to comply with any condition or provision of these authorities, any provision of the Act or regulations made thereunder or any condition or direction imposed or given pursuant to a condition or provision of these authorities or of any provision of the Act or regulations made thereunder. (b) The lease holder must provide the security required by subclause (a) hereof In one of the following forms: (i) cash, or (ii) a security certificate in such form and given by such surety as may from time to time be approved by the Minister. (c) The Minister may at any time, vary the amount of security required in accordance with this condition.	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
ROYALTY AT ADDITIONAL RATE					
54	The lease holder shall during the term of this authority pay to the Minister royalty at the additional rate as prescribed by the Regulations for coal recovered by open cut mining methods from the area.	Not triggered		Not triggered. No mining activities completed during the IEA period.	
SPECIAL BARRIER					
56	The lease holder shall not work or cause to be worked any seam of coal directly beneath the Blackmans Flat substation, unless with the consent of the Minister and subject to such conditions as he may impose.	Not triggered		Not triggered. No mining activities completed during the IEA period.	
EXTRACTION PLAN CONDITION					
	(a) In this condition: (i) approved Extraction Plan means a plan, being: A. an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary on or before 31 December 2014; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease. (b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan. (c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease. (d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A. built features; B. public safety; or C. subsidence monitoring.	Not triggered		Not triggered. No mining activities completed during the IEA period.	

ML1319

5.7ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Notice to Landholders					
1	(a) Within a period of three months from the date of grant/renewal of this mining lease, the lease holder must serve on each landholder a notice in writing indicating that this mining lease has been granted/renewed and whether the lease includes the surface. A plan identifying each landholder and individual land parcel subject to the lease area, and a description of the lease area must accompany the notice.	Not triggered	ML1319	Not triggered during the IEA period. Last renewal was 2014.	
	(b) If there are ten or more landholders, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this mining lease has been granted/renewed; state whether the lease includes the surface and must contain a plan and description of the lease area. If a notice is made under condition 1 (b), compliance with condition 1 (a) is not required.	Not triggered	ML1319	Not triggered during the IEA period. Last renewal was 2014.	
Rehabilitation					
2	Any disturbance resulting from the activities carried out under this mining lease must be rehabilitated to the satisfaction of the Minister.	Compliant	Annual Reviews	Rehabilitation is being undertaken on disturbed areas as available (noting limited disturbance footprint).	
Mining Operations Plan and Annual Rehabilitation Report					
3	(a) The lease holder must comply with an approved Mining Operations Plan (MOP) in carrying out any significant surface disturbing activities, including mining operations, mining purposes and prospecting. The lease holder must apply to the Minister for approval of a MOP. An approved MOP must be in place prior to commencing any significant surface disturbing activities, including mining operations, mining purposes and prospecting.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020. No mining operations during the IEA period. No MOP non-compliances during the IEA period.	
	(b) The MOP must identify the post mining land use and set out a detailed rehabilitation strategy which: (i) identifies areas that will be disturbed; (ii) details the staging of specific mining operations, mining purposes and prospecting ; (iii) identifies how the mine will be managed and rehabilitated to achieve the post mining land use; (iv) identifies how mining operations, mining purposes and prospecting will be carried out in order to prevent and or minimise harm to the environment; and (v) reflects the conditions of approval under: • the Environmental Planning and Assessment Act 1979; • the Protection of the Environment Operations Act 1997; and • any other approvals relevant to the development including the conditions of this mining lease.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	(b) The post mining land use is outlined in Section 4, and the proposed rehabilitation is captured in Section 7 of the MOP: (i) Areas that will be disturbed are noted in Section 2.2. (ii) Activities during the MOP term are included in Section 2. (iii) Proposed rehabilitation is included in Section 7. (iv) Environmental management is included in Section 3. (v) Conditions of approval are captured in Section 1.2.	
	(c) The MOP must be prepared in accordance with the ESG3: Mining Operations Plan (MOP) Guidelines September 2013 published on the Department's website at www.resources.nsw.gov.au/environment	Compliant	WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(d) The lease holder may apply to the Minister to amend an approved MOP at any time.	Compliant	WCS MOP 1 January 2018 to 31 December	The WCS MOP was amended during the IEA period on 6 April 2020.	
	(e) It is not a breach of this condition if: (i) the operations which, but for this condition 3(e) would be a breach of condition 3(a), were necessary to comply with a lawful order or direction given under the Environmental Planning and Assessment Act 1979, the Protection of the Environment Operations Act 1997, the Mine Health and Safety Act 2004 I Coal Mine Health and Safety Act 2002 and Mine Health and Safety Regulation 2007 I Coal Mine Health and Safety Regulation 2006 or the Work Health and Safety Act 2011; and (ii) the Minister had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.	Not triggered		Not triggered.	
	(f) The lease holder must prepare a Rehabilitation Report to the satisfaction of the Minister. The report must: (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP; (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resources.nsw.gov.au/environment . <i>Note: The Rehabilitation Report replaces the Annual Environmental Management Report.</i>	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (i) Rehabilitation progress is provided in Section 6.14 and Appendix N of the Annual Reviews. (ii) Annual Reviews are submitted by 31 March each year. (iii) Annual Reviews are prepared in accordance with DPIE Annual Review Guidelines.	
Non-Compliance Reporting					
4	(a) The lease holder must notify the Department upon becoming aware of any breaches of the conditions of this mining lease or breaches of the Mining Act or Regulations;	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	
	(b) Notifications under condition 4(a) must be provided in the form specified on the Department's website within seven (7) days of the mining lease holder becoming aware of the breach.	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	

ML1319

5.7ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Environmental Incident Report					
5	The lease holder must provide environmental incident notifications and reports to the Secretary no later than seven (7) days after those environmental incident notifications and reports are provided to the relevant authorities under the Protection of the Environment Operations Act 1997.	Not triggered	Annual Reviews	Not triggered. No reportable environmental incidents during the IEA period.	
Extraction Plan Condition					
6	(a) In this condition: (i) approved Extraction Plan means a plan, being: A. an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary on or before 31 December 2014; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease. (b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan. (c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease. (d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A. built features; B. public safety; or C. subsidence monitoring. This amendment is effective from 1 July 2014.	Not triggered		Not triggered. No mining completed during the IEA period.	
Resource Recovery					
7	The lease holder must optimise recovery of the minerals that are the subject of this mining lease to the extent economically feasible.	Not triggered		Not triggered. No mining completed during the IEA period.	
Group Security					
8	The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations of all or any kind under the mining lease, including obligations of all or any kind under the mining lease that may arise in the future. The amount of the security deposit to be provided as a group security has been assessed by the Minister at \$6,750,000 The leases covered by the group security include: Mining Lease No's 204, 564 (Act 1906), Private Lands Lease No. 133 (Act 1906), Consolidated Coal Lease No. 733 (Act 1973), Coal Lease No's 361, 377 and 394 (Act 1973), Mining Purposes Lease 314 (Act 1973) and Mining Lease No's 1303, 1319, 1323, 1326, 1352, 1448, 1537, 1588 and 1670 (Act 1992)	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
Cooperation Agreement					
9	The lease holder must make every reasonable attempt, and be able to demonstrate its attempts, to enter into a cooperation agreement with the holder(s) of any overlapping title(s). The cooperation agreement should address but not be limited to issues such as: <ul style="list-style-type: none">• access arrangements• operational interaction procedures• dispute resolution• information exchange• well location• timing of drilling• potential resource extraction conflicts; and• rehabilitation issues.	Not triggered		Not triggered. No overlapping titles held by other companies.	

ML 1352

8.2ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Notice to Landholders					
1	(a) Within a period of three months from the date of grant/renewal of this mining lease, the lease holder must serve on each landholder a notice in writing indicating that this mining lease has been granted/renewed and whether the lease includes the surface. A plan identifying each landholder and individual land parcel subject to the lease area, and a description of the lease area must accompany the notice.	Not triggered	ML1352	Not triggered during the IEA period. Last renewal was 2015.	
	(b) If there are ten or more landholders, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this mining lease has been granted/renewed; state whether the lease includes the surface and must contain a plan and description of the lease area. If a notice is made under condition 1 (b), compliance with condition 1 (a) is not required.	Not triggered	ML1352	Not triggered during the IEA period. Last renewal was 2015.	
Rehabilitation					
2	Any disturbance resulting from the activities carried out under this mining lease must be rehabilitated to the satisfaction of the Minister.	Compliant	Annual Reviews	Rehabilitation is being undertaken on disturbed areas as available (noting limited disturbance footprint).	
Mining Operations Plan and Annual Rehabilitation Report					
3	(a) The lease holder must comply with an approved Mining Operations Plan (MOP) in carrying out any significant surface disturbing activities, including mining operations, mining purposes and prospecting. The lease holder must apply to the Minister for approval of a MOP. An approved MOP must be in place prior to commencing any significant surface disturbing activities, including mining operations, mining purposes and prospecting.	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.• MOP Approval Letter from Resources Regulator dated 26/02/2018.• MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020. No mining operations during the IEA period. No MOP non-compliances during the IEA period.	
	(b) The MOP must identify the post mining land use and set out a detailed rehabilitation strategy which: (i) identifies areas that will be disturbed; (ii) details the staging of specific mining operations, mining purposes and prospecting; (iii) identifies how the mine will be managed and rehabilitated to achieve the post mining land use; (iv) identifies how mining operations, mining purposes and prospecting will be carried out in order to prevent and or minimise harm to the environment; and (v) reflects the conditions of approval under: • the <i>Environmental Planning and Assessment Act 1979</i> ; • the <i>Protection of the Environment Operations Act 1997</i> ; and • any other approvals relevant to the development including the conditions of this mining lease.	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.• MOP Approval Letter from Resources Regulator dated 26/02/2018.• MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	(b) The post mining land use is outlined in Section 4, and the proposed rehabilitation is captured in Section 7 of the MOP: (i) Areas that will be disturbed are noted in Section 2.2. (ii) Activities during the MOP term are included in Section 2. (iii) Proposed rehabilitation is included in Section 7. (iv) Environmental management is included in Section 3. (v) Conditions of approval are captured in Section 1.2.	
	(c) The MOP must be prepared in accordance with the ESG3: Mining Operations Plan (MOP) Guidelines September 2013 published on the Department's website at www.resources.nsw.gov.au/environment	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(d) The lease holder may apply to the Minister to amend an approved MOP at any time.	Compliant	WCS MOP 1 January 2018 to 31 December	The WCS MOP was amended during the IEA period on 6 April 2020.	
	(e) It is not a breach of this condition if: (i) the operations which, but for this condition 3(e) would be a breach of condition 3(a), were necessary to comply with a lawful order or direction given under the Environmental Planning and Assessment Act 1979, the Protection of the Environment Operations Act 1997, the Mine Health and Safety Act 2004 I Coal Mine Health and Safety Act 2002 and Mine Health and Safety Regulation 2007 I Coal Mine Health and Safety Regulation 2006 or the Work Health and Safety Act 2011; and (ii) the Minister had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.	Not triggered		Not triggered.	

ML 1352**8.2ha**

Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	(f) The lease holder must prepare a Rehabilitation Report to the satisfaction of the Minister. The report must: (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP; (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resources.nsw.gov.au/environment . Note: The Rehabilitation Report replaces the Annual Environmental Management Report.	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (i) Rehabilitation progress is provided in Section 6.14 and Appendix N of the Annual Reviews. (ii) Annual Reviews are submitted by 31 March each year. (iii) Annual Reviews are prepared in accordance with DPIE Annual Review Guidelines.	
Non-Compliance Reporting					
4	(a) The lease holder must notify the Department upon becoming aware of any breaches of the conditions of this mining lease or breaches of the Mining Act or Regulations;	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	
	(b) Notifications under condition 4(a) must be provided in the form specified on the Department's website within seven (7) days of the mining lease holder becoming aware of the breach.	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	
Environmental Incident Report					
5	The lease holder must provide environmental incident notifications and reports to the Secretary no later than seven (7) days after those environmental incident notifications and reports are provided to the relevant authorities under the Protection of the Environment Operations Act 1997.	Not triggered	Annual Reviews	Not triggered. No reportable environmental incidents during the IEA period.	
NOT USED					
6	-		-	-	
NOT USED					
7	-		-	-	
Group Security					
8	The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations of all or any kind under the mining lease, including obligations of all or any kind under the mining lease that may arise in the future. The amount of the security deposit to be provided as a group security has been assessed by the Minister at \$12,768,000. The leases covered by the group security include: ML 204 (Act 1906), ML 564 (Act 1906), PLL 133 (Act 1906), CCL 733 (Act 1973), CL 361 (Act 1973), CL 377 (Act 1973), CL 394 (Act 1973), MPL 314 (Act 1973), ML 1303 (Act 1992), ML 1319 (Act 1992), ML 1323 (Act 1992), ML 1326 (Act 1992), ML 1448 (Act 1992), ML 1537 (Act 1992), ML 1588 (Act 1992) and ML 1670 (Act 1992).	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
Cooperation Agreement					
9	The lease holder must make every reasonable attempt, and be able to demonstrate its attempts, to enter into a cooperation agreement with the holder(s) of any overlapping title(s). The cooperation agreement should address but not be limited to issues such as: <ul style="list-style-type: none">• access arrangements• operational interaction procedures• dispute resolution• information exchange• well location• timing of drilling• potential resource extraction conflicts; and• rehabilitation issues.	Not triggered		Not triggered. No overlapping titles held by other companies.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Extraction of Coal					
1	The lease holder shall extract as large a percentage of the coal in the subject area as is practicable consistent with the provisions of the Coal Mines Regulations Act 1982 and the Regulations thereunder and shall comply with any direction given or which may be given in this regard by the Minister.	Not triggered	Annual Reviews	No coal extraction during IEA period.	
Mining, Rehabilitation, Environmental Management Process (MREMP) Mining Operations Plan (MOP)					
2	(1) Mining operations, including mining purposes, must be conducted in accordance with a Mining Operations Plan (the Plan) satisfactory to the Director-General. The Plan together with environmental conditions of development consent and other approvals will form the basis for:- (a) ongoing mining operations and environmental management; and (b) ongoing monitoring of the project.	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.• MOP Approval Letter from Resources Regulator dated 26/02/2018.• MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	Operations during the IEA period were completed in accordance with an approved MOP.	
	(2) The Plan must be prepared in accordance with the Director-General's guidelines current at the time of lodgement.	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(3) A Plan must be lodged with the Director-General:- (a) prior to the commencement of operations; (b) subsequently as appropriate prior to the expiry of any current Plan; and (c) in accordance with any direction issued. by the Director-General.	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.• MOP Approval Letter from Resources Regulator dated 26/02/2018.• MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.	
	(4) The Plan must present a schedule of proposed mine development for a period of up to seven (7) years and contain diagrams and documentation which identify:- (a) area(s) proposed to be disturbed under the Plan; (b) mining and rehabilitation method(s) to be used and their sequence; (c) areas to be used for disposal of tailings/waste; (d) existing and proposed surface infrastructure; (e) progressive rehabilitation schedules; (f) areas of particular environmental sensitivity; (g) water management systems (including erosion and sediment controls); (h) proposed resource recovery; and (i) where the mine will cease extraction during the term of the Plan, a closure plan including final rehabilitation objectives/methods and post mining land use/vegetation	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.	(4) The MOP covers the 7 year period from 2018-2024. (a) Proposed disturbance outlined in Section 2.2 (b) Proposed rehabilitation outlined in Section 7 and shown in MOP Plans. (c) Reject emplacement covered in Section 2.2.8 and 2.2.9. (d) Surface infrastructure outlined in Section 2.4 (e) Progressive rehabilitation included in Section 7. (f) Areas of environmental sensitivity covered in Section 3. (g) Water management addressed in Section 3.2.3. (h) Not applicable. (i) Not applicable.	
	(5) The Plan when lodged will be reviewed by the Department of Mineral Resources.	Compliant	<ul style="list-style-type: none">• MOP Approval Letter from Resources Regulator dated 26/02/2018.• MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.	
	(6) The Director-General may within two (2) months of the lodgement of a Plan, require modification and re-lodgement.	Not triggered		Not triggered	
	(7) If a requirement in accordance with clause (6) is not issued within two months of the lodgement of a Plan, lease holder may proceed with implementation of the Plan submitted subject to the lodgement of the required security deposit within the specified time.	Not triggered		Not triggered	
	(8) During the life of the Mining Operations Plan, proposed modifications to the Plan must be lodged with the Director-General and will be subject to the review process outlined in (5) - (7) above.	Compliant	<ul style="list-style-type: none">• WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Annual Environmental Management Report (AEMR)					
3	(1) Within 12 months of the commencement of mining operations and thereafter annually or, at such other times as may be allowed by the Director-General, the lease holder must lodge an Annual Environmental Management Report (AEMR) with the Director-General.	Compliant	Annual Reviews	Annual Reviews cover the requirement of an AEMR. Submitted annually in March.	
	(2) The AEMR must be prepared in accordance with the Director-General's guidelines current at the time of reporting and contain a review and forecast of performance for the preceding and ensuing twelve months in terms of:- (a) the accepted Mining Operations Plan; (b) development consent requirements and conditions; (c) Environment Protection Authority and Department of Land and Water Conservation licences and approvals; (d) any other statutory environmental requirements; (e) details of any variations to environmental approvals applicable to the lease area. and (f) where relevant, progress towards final rehabilitation objectives.	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (a) Section 3, Section 6.14 and Appendix N (b) Section 3 (c) Section 3 (d) Section 3 (e) Section 3 (f) Section 6.14 and Appendix N	
	(3) After considering an AEMR the Director-General may, by notice in writing, direct the lease holder to undertake operations, remedial actions or supplementary studies in the manner and within the period specified in the notice to ensure that operations on the lease area are conducted in accordance with sound mining and environmental practice.	Not triggered		Not triggered.	
	(4) The lease holder shall, as and when directed by the Minister, co-operate with the Director-General to conduct and facilitate review of the AEMR involving other government agencies.	Compliant	Annual Reviews	Annual Review is provided to the following government agencies: DPIE, Resources Regulator, Lithgow City Council, EPA, Forestry and DPI Water.	
Shafts, Drifts, Adit					
14	Operations shall be conducted in such a manner as not to cause any danger to persons or stock and the lease . holder shall provide and maintain adequate protection to the satisfaction of the Minister around each shaft or excavation opened up or used by the lease holder.	Not triggered		None within mining lease.	
Dumps					
15	The lease holder shall comply with any direction, given or which may be given by the Inspector regarding the dumping, depositing or removal of material extracted as well as the stabilisation and revegetation of any dumps of coal, minerals, mine residues, tailings or overburden situated on the subject area or the associated colliery holding.	Not triggered		Noted that there was a Section 240 notice to complete a risk assessment to address some requirements identified by RR. However not directly related to this condition.	
16	The lease holder shall comply with any direction given or which may be given by the Minister regarding the spraying of coal dumps on the subject area.	Not triggered		No direction. Coal dumps are generally wet.	
Dust					
17	The lease holder shall take such precautions as are necessary to abate any dust nuisance.	Compliant	Annual Reviews Air Quality and Greenhouse Gas Management Plan.	No air quality exceedances or complaints during the IEA period. No issues identified during site inspection.	
Management and Rehabilitation of Lands (General)					
18	The lease holder shall not interfere in any way with any fences on or adjacent to the subject area unless with the prior written approval of the owner thereof or the Minister and subject to such conditions as the Minister may stipulate.	Not triggered		Not triggered	
19	The lease holder shall observe any instruction given or which may be given by the Minister with a view to minimising or preventing public inconvenience or damage to public or private property.	Not triggered		Not triggered	
20	If required to do so by the Minister and within such time as may be stipulated by the Minister the lease holder shall carry out the satisfaction of the Minister surveys of structures, buildings and pipelines on adjacent landholdings to determine the effect of operations on any such structures, buildings and pipelines.	Not triggered		Not triggered	
21	If so directed by the Minister the lease holder shall rehabilitate to the satisfaction of the Minister any lands within the subject area which may have been disturbed by the lease holder.	Compliant		MOP rehabilitation.S240 notice related to risk management.	
22	Upon completion of operations on the surface of the subject area or upon the expiry or sooner determination of this authority or any renewal thereof, the lease holder shall remove from such surface such buildings, machinery, plant, equipment, constructions and works as may be directed by the Minister and such surface shall be rehabilitated and left in a clean, tidy and safe condition to the satisfaction of the Minister.	Not triggered		Not triggered	
23	If so directed by the Minister the lease holder shall rehabilitate to the satisfaction of the Minister and within such time as may be allowed by the Minister any lands within the subject area which may have been disturbed by mining or prospecting operations whether such operations were or were not carried out by the lease holder.	Not triggered		No direction received.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
24	The lease holder shall take all precautions against causing outbreak of fire on the subject area.	Compliant	Annual Reviews Bushfire Management Plan	No fires have come from site during the IEA. Fire fighting equipment on site. Bushfire Management Plan.	
25	The lease holder shall provide and maintain to the satisfaction of the Minister efficient means to prevent contamination, pollution, erosion or siltation of any river, stream, creek, tributary, lake, dam, reservoir, watercourse or catchment area or any undue interference to fish or their environment and shall observe any instruction given or which may be given by the Minister with a view to preventing or minimising the contamination, pollution, erosion or siltation of any river, stream, creek, tributary, lake, dam, reservoir, watercourse or catchment area or any undue interference to fish or their environment.	Compliant		No incidents during the audit period. Improvement recommendations as per other line items.	
Blasting					
26	The lease holder shall monitor noise and vibration and institute controls, generally in accordance with the recommendations of Australian Standard AS-2187-1993 and ANZEC Guidelines.	Not triggered		No blasting during IEA period	
	(a) Ground Vibration The lease holder shall design all blasts on the basis that the ground vibration peak particle velocity generated by any blasting within the subject area, shall not exceed the levels in or conditions of the EPA Licence for the mine, at any dwelling or occupied premises not owned by the lease holder, the holder of an authority under the Mining Act, or not subject to a valid agreement with the lease holder, with respect to the effects of blasting.	Not triggered		No blasting during IEA period	
	(b) Blast Overpressure The lease holder shall design all blasts on the basis that the blast overpressure noise level generated by any blasting within the subject area, shall not exceed the levels in or conditions of the EPA Licence for the mine, at any dwelling or occupied premises not owned by the lease holder, the holder of an authority under the Mining Act, or not subject to a valid agreement with the lease holder, with respect to the effects of blasting.	Not triggered		No blasting during IEA period	
Trees (Planting and Protection of) Flora and Fauna and Arboreal Screens					
27	If so directed by the Minister, the lease holder shall ensure that operations are carried out in such manner so as to minimise disturbance to flora and fauna within the subject area.	Not triggered		No direction from the Minister during IEA period	
28	Notwithstanding the provisions of Condition No 36 e (i) the lease holder shall not fell trees, strip bark or cut timber on any land within the subject area except with the approval of the owner/occupier and subject to the payment to the owner of the trees, bark or timber of compensation as agreed or as assessed by the Warden.	Compliant		Tree removal in accordance with the Biodiversity MP.	
29	The lease holder shall maintain an arboreal screen to the satisfaction of the Minister within such parts of the subject area as may be specified by the Minister and shall plant such trees or shrubs as may be required by the Minister to preserve the arboreal screen in a condition satisfactory to the Minister.	Not triggered		Not applicable to this lease. Operations cannot be seen from the road.	
Soil Erosion					
30	The lease holder shall conduct operations in such a manner as not to cause or aggravate soil erosion and the lease holder shall observe and perform any instructions given or which may be given by the Minister with a view to minimising or preventing soil erosion.	Not triggered		No significant erosion issues sighted. No direction given by the Minister.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Roads					
31	<p>The lease holder shall pay to the Council of the City of Lithgow, Department of Land and Water Conservation or the Chief Executive, Roads and Traffic Authority the cost incurred by such Council or Department or Chief Executive of making good any damage caused by operations carried on by or under the authority of the lease holder to any road adjoining or traversing the surface or the excepted surface or the excepted surface, as the case may be of the subject area.</p> <p>PROVIDED HOWEVER that the amount to be paid by the lease holder as aforesaid shall be reduced by such sum of money if any as may be paid to the said Council the Department of Conservation and Land Management or the Chief Executive, Roads and Traffic Authority as the case may be from the Mine Subsidence Compensation Fund constituted under the Mine Subsidence Compensation Act, 1961, in settlement of a claim for compensation for the same damage.</p>	Not triggered		No impact on roads.	
32	<p>In the event of operations being conducted on the surface of any road, track or fire trail traversing the subject area or in the event of such operations causing damage to or interference with any such road, track or fire trail the lease holder, at his own expense, shall if directed to do so by the Minister provide to the satisfaction of the Minister an alternate road, track or fire trail in a position as required by the Minister and shall allow free and uninterrupted access along such alternate road, track or fire trail and, if required to do so by the Minister, the lease holder shall upon completion of operations rehabilitate the surface of the original road, track or fire trail to a condition satisfactory to the Minister.</p>	Not triggered		No impact on roads.	
Catchment Areas (See also Conditions Nos. 56 and 57 re Sydney Water Catchment)					
33	(a) Operations shall be carried out in such a way as not to cause any pollution of the Coxs River Catchment Area.	Compliant		Operates in accordance with the consent. No LDP within this ML.	
	(b) If the lease holder is using or about to use any process which in the opinion of the Minister is likely to cause contamination of the waters of the said Catchment Area the lease holder shall refrain from using or cease using as the case may require such process within twenty four (24) hours of the receipt by the lease holder of a notice in writing under the hand of the Minister requiring the lease holder to do so.	Not triggered		Not triggered.	
	(c) The lease holder shall comply with any regulations now in force or hereafter to be in force for the protection from pollution of the said Catchment Area.	Not triggered		Not triggered.	
Trig. Stations and Survey Marks					
37	(a) The marks in connection with any trigonometrical station, Permanent Mark or State Survey Mark (under the Survey Co-ordination Act, 1949) erected on or near the subject area shall not be interfered with and the unrestricted right of access to such station by authorised persons and also the right to clear sight lines to surrounding stations is reserved at all times.	Compliant	Annual Reviews. Site Comms.	No impacts to trig stations or survey marks during the IEA period.	
	(b) The lease holder shall take all necessary precautions to preserve the trigonometrical station, Permanent Mark or State Survey Mark (under the Survey Co-ordination Act, 1949) and the cairn, mast and vanes which might be erected upon the subject area.	Compliant	Annual Reviews. Site Comms.	No impacts to trig stations or survey marks during the IEA period.	
	(c) No buildings or other structures shall be erected which would make observations to and from surrounding trigonometrical stations difficult to effect.	Compliant	Annual Reviews. Site Comms.	No impacts to trig stations or survey marks during the IEA period.	
	(d) In the event of operations interfering with or damaging any trigonometrical station, Permanent Mark or State Mark (under the Survey Co-ordination Act, 1949) erected on or near the subject area, or if required to do so by the Minister, the lease holder shall relocate any such trigonometrical station, Permanent Mark or State Survey Mark (under the Survey Co-ordination Act, 1949) to the satisfaction of, and in a position required by, the Department of Land and Water Conservation, the Land Information Centre, Bathurst and the Minister and, if required to do so by the Minister, and subject to such conditions as the Minister may impose, the lease holder, upon completion of operations shall relocate any such trigonometrical station, Permanent Mark or State Survey Mark (under the Survey Co-ordination Act, 1949) to it's original position.	Not triggered	Annual Reviews. Site Comms.	No impacts to trig stations or survey marks during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Transmission Lines, Communication Lines and Pipelines					
41	The lease holder shall as far as is practicable so conduct operations as not to interfere with or impair the stability or efficiency of any transmission line, communication line or pipeline traversing the surface or the excepted surface of the subject area and shall comply with any direction given or which may be given by the Minister in this regard.	Not triggered		Not triggered.	
Aboriginal place or Relic					
43	The lease holder shall not knowingly destroy, deface or damage any aboriginal place or relic 'within the subject area except in accordance with an authority issued under the National Parks and Wildlife Act, 1974, and shall take every precaution in drilling, excavating or disturbing the land against any such destruction, defacement or damage.	Not triggered		Fencing around sites. Surveys during the IEA period.	
Labour/Expenditure					
44	REMOVED IN 2018		-	-	
Additional Information					
45	The lease holder shall if directed by the Minister and within such time as the Minister may stipulate furnish to the Minister:	Not triggered		Not triggered.	
	(a) information regarding the ownership of the land within the subject area;	Not triggered		Not triggered.	
	(b) information regarding the ownership of the coal within the subject area prior to 1st January, 1982;	Not triggered		Not triggered.	
	(c) an indemnity in a form approved by the Minister indemnifying the Crown and the Minister against any wrong payment effected as a result of incorrect information furnished by the lease holder;	Not triggered		Not triggered.	
	(d) information regarding the financial viability of the lease holder and operations within and associated with the subject area; and	Not triggered		Not triggered.	
	(e) information regarding shareholdings in the lease holder.	Not triggered		Not triggered.	
Inspectors					
47	(a) Where an Inspector under the Mining Act 1992 is of the opinion that any condition of this authority relating to operations within the subject area, or any provision of the Mining Act, 1992, relating to operations within the subject area, are not being complied with by the lease holder, the Inspector may serve on the lease holder a notice stating that and give particulars of the reason why, and may in such notice direct the lease holder: (i) to cease operations within the subject area in contravention of that condition or Act; and (ii) to carry out within the specified time works necessary to rectify or remedy the situation.	Not triggered		Section 240 notice relates to a request for additional information, rather than a non-compliance with the requirements of the Mining Act.	
	(b) The lease holder shall comply with the directions contained in any notice served pursuant to sub paragraph (a) of this condition. The Director General may confirm, vary or revoke any such direction.	Not triggered		Not triggered.	
	(c) A notice referred to in his condition may be served on the Colliery Manager.	Not triggered		Not triggered.	
Indemnities					
48	The lease holder shall indemnify and keep indemnified the Crown from and against all actions suits and claims and demands of whatsoever nature and all costs charges and expense which may be brought against the lease holder or which the lease holder may incur respect of any accident or injury to any person or property which may arise out of the construction maintenance or working of any workings now existing or to be made by the lease holder within the boundaries of the subject area or in connection with any of the operations notwithstanding that all other conditions of this authority shall in all respects have been observed by the lease holder or that any such accident or injury shall arise from any act or thing which the lease which the lease holder may be licensed or compelled to do hereunder.	Not triggered		Not triggered.	
49	The lease holder shall save harmless the Crown from payment of compensation and from and against all claims, actions, suits or demands whatsoever in the event of any damage resulting from mining operations under or near the subject area.	Not triggered		Not triggered.	

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95.2ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Prospecting (General)					
50	(a) Where the lease holder desires to commence prospecting operations in the subject area the lease holder shall notify the Director General in writing and shall comply with such additional conditions as the Minister may impose including any condition requiring the lodgement of an additional bond of other form of security or rehabilitation of the area affected by such operations.	Not triggered		Not triggered.	
	(b). Where the lease holder notifies the Director General pursuant to sub paragraph (a) of this condition the lease holder shall furnish with that notification details of the type of prospecting methods that would be adopted and the extent and location of the area that would be affected by them.	Not triggered		Not triggered.	
Security Deposit					
51	(a) The lease holder shall, upon request by the Director General, lodge with the Minister the sum of \$10,000.00 in accordance with Instructions for Manner of Lodgement of Security Deposits as security for the fulfillment of the obligations of the lease holder 1 under this authority. In the event that the lease holder fails to fulfill any of the lease holder's obligations under this authority the said sum may be applied at the discretion of the Minister towards the cost of fulfilling such obligations. For the purposes of the clause a lease holder shall be deemed to have failed to fulfill the lease holder's obligations under this authority, if the lease holder fails to comply with any condition or provision of this authority, any provision of the Act or regulations made thereunder or any condition or direction imposed or given pursuant to a condition or provision of this authority or of any provision of the Act or regulations made thereunder.	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
	(b) The Minister may at may time after the commencement of this authority or any renewal thereof, vary the amount of security required in accordance with this condition.				
	(c) Where the amount of security has been increased pursuant to Clause (b) hereof the lease holder shall, within two (2) months of being-requested by the Minister, lodge a security for the amount of security required, in which case the Minister shall refund or release to the lease holder the security previously lodged.				
Royalty at an Additional Rate					
54	The lease holder shall during the term of this authority pay to the Minister royalty at the additional rate as prescribed by the Regulations for coal recovered by open cut mining methods from the area.	Not triggered		No open cut coal mining	
56	(a) The lease holder shall carry out operations in such a way as to conform strictly to all provisions of the Water Board (Corporatisation) Act, 1994, as amended, and the regulations thereunder applying to the prevention of pollution of the Warragamba Outer Catchment Area or the preservation of the purity of the water supply provided thereby or derived therefrom or for the protection of the property of Sydney Water Corporation Limited (A.C.N. 063 279 649) [hereinafter referred to as the 'the Corporation'] on the Outer Catchment Area and also to all requirements of the Corporation from time to time under the said Act or any of the regulations for the time being in force.	Not triggered		No LDP within this ML. Managed through SWMP.	
	(b) If the lease holder shall at any time be using or about to use any process which in the opinion of the Corporation is likely to pollute the Outer Catchment Area or the water supply or to endanger any property of the said Corporation on the Outer Catchment Area the lease holder upon service of a notice in writing under the hand of the Minister to do so shall: (i) discontinue the use of such process within twenty four (24) hours, or (ii) thereafter refrain from adopting such process at any time, as the case may require.				
	(c) The lease holder shall provide and maintain to the satisfaction of the Minister efficient means to prevent the contamination, pollution, erosion or siltation of any stream or watercourse or Outer Catchment Area and shall observe any instruction given or which may be given by the Minister with a view to preventing or minimising the contamination, pollution or siltation of any stream watercourse or Outer Catchment Area.				

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95.2ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Extraction Plan Condition					
	(a) In this condition: (i) approved Extraction Plan means a plan, being: A an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease.	Not triggered		No mining during the IEA period.	
	(b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan.	Not triggered		No mining during the IEA period.	
	(c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease.	Not triggered		No mining during the IEA period.	
	(d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A built features; B. public safety; or C. subsidence monitoring.	Not triggered		No mining during the IEA period.	

CCL 733
723.5ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Notice to Landholders					
1	Within a period of three months from the date of grant/renewal of this lease or within such further time as the Minister may allow, the lease holder must serve on each landholder of the land a notice in writing indicating that this lease has been granted/renewed and whether the lease includes the surface. An adequate plan and description of the lease area must accompany the notice. If there are ten or more landholders affected, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this lease has been granted/renewed; state whether the lease includes the surface and must contain an adequate plan and description of the lease area.	Not triggered	CCL733	Not triggered during the IEA period. Last renewal was 2008.	
Environmental Harm					
2	The proponent shall implement all practicable measures to prevent and/or minimise any harm to the environment that may result from the construction, operation or rehabilitation of the development.	Compliant	Annual Reviews	No material harm to the environment during the IEA period.	
Mining Operations Plan					
3	(a) Mining operations must not be carried out otherwise than in accordance with: a Mining Operations Plan (MOP) which has been approved by the Director General of the Department of Primary Industries. (b) The MOP must: i) identify areas that will be disturbed by mining operations; ii) detail the staging of specific mining operations; iii) identify how the mine will be managed to allow mine closure; iv) identify how mining operations will be carried out on site in order to prevent and or minimise harm to the environment; v) reflect the conditions of approval under: the Environmental Planning and Assessment Act 1979 the Protection of the Environment Operations Act 1997 and any other approvals relevant to the development including the conditions of this lease; and v) have regard to any relevant guidelines adopted by the Director-General. (c)The titleholder may apply to the Director-General to amend an approved MOP at any time. (d) It is not a breach of this condition if: i) the operations constituting the breach were necessary to comply with a lawful order or direction given under the Mining Act 1992, the Environmental Planning and Assessment Act 1979, Protection of the Environment Operations Act 1997 or the Occupational Health and Safety Act 2000; and ii) the Director-General had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out. (e)A MOP ceases to have affect 7 years after date of approval or other such period as identified by the Director-General. An approved amendment to the MOP under condition 5 does not constitute an approval for the purpose of this paragraph unless otherwise identified by the Director-General.	Compliant	• WCS MOP 1 January 2018 to 31 December 2024. • MOP Approval Letter from Resources Regulator dated 26/02/2018. • MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	(a) Operations during the IEA period were completed in accordance with an approved MOP. (b) (i) Areas that will be disturbed are noted in Section 2.2. (ii) Not applicable. No mining operations during the MOP term. (iii) Mine Closure outlined in Section 8. (iv) Environmental management is included in Section 3. (v) Conditions of approval are captured in Section 1.2. (vi) Relevant guidelines are referenced in Section 1.2. (c) 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020. (d) Noted (e) An approved MOP was in place for the entire IEA period.	
Environment Management Reporting					
4	The lease holder must lodge Environmental Management Reports (EMR) with the Director-General annually or at dates otherwise directed by the Director-General.	Compliant	Annual Reviews	Annual Reviews cover the requirements of an EMR, and are submitted by 31 March each year.	
The EMR must					
5	(a) report against compliance with the MOP; (b) report on progress in respect of rehabilitation completion criteria; (c) report on the extent of compliance with regulatory requirements; and (d) have regard to any relevant guidelines adopted by the Director-General;	Compliant	Annual Reviews	(a) Compliance with the MOP is covered in Section 6.14 and Appendix N of the Annual Reviews. (b) Rehabilitation progress is provided in Section 6.14 and Appendix N of the Annual Reviews. (c) Compliance with regulatory requirements outlined in Section 3. (d) Annual Reviews are prepared in accordance with DPIE Annual Review Guidelines.	
6	Additional environmental reports may be required on specific surface disturbing operations or environmental incidents from time to lime as directed in writing by the Director-General and must be lodged as instructed.	Not triggered		Not triggered. No additional environmental reports required under this condition during the IEA period.	
Rehabilitation					
7	Disturbed land must be rehabilitated to a sustainable/agreed end land use to the satisfaction of the Director-General.	Compliant	Annual Reviews	Rehabilitation is being undertaken on disturbed areas as available (noting limited disturbance footprint).	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Extraction Plan Condition					
8	<p>(a) In this condition:</p> <p>(i) approved Extraction Plan means a plan, being:</p> <p>A. an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or</p> <p>B. a subsidence management plan relating to the mining operations subject to this lease:</p> <p>I. submitted to the Secretary on or before 31 December 2014; and</p> <p>II. approved by the Secretary.</p> <p>(ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease.</p> <p>(b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan.</p> <p>(c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease.</p> <p>(d) The lease holder must notify the Secretary within 48 hours of any:</p> <p>(i) incident caused by subsidence which has a potential to expose any person to health and safety risks;</p> <p>(ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or</p> <p>(iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing:</p> <p>A. built features;</p> <p>B. public safety; or</p> <p>C. subsidence monitoring.</p>	Not triggered		Not triggered. No mining completing during the IEA period.	
Control of Operations					
10	<p>a) If an Environmental Officer of the Department believes that the lease holder is not complying with any provision of the Act or any condition of this lease relating to the working of the lease, he may direct the lease holder to:-</p> <p>(i) cease working the lease; or</p> <p>(ii) cease that part of the operation not complying with the Act or conditions; until in the opinion of the Environmental Officer the situation is rectified.</p> <p>b) The lease holder must comply with any direction given. The Director-General may confirm, vary or revoke any such direction.</p> <p>c) A direction referred to in this condition may be served on the Mine Manager.</p>	Not triggered		Not triggered. No directions given from the Department in relation to this condition during the IEA period.	
Reports					
11	<p>The lease holder must provide an exploration report, within a period of twenty-eight days after each anniversary of the date this lease has effect or at such other date as the Director-General may stipulate, of each year. The report must be to the satisfaction of the Director-General and contain the following:</p> <p>a) Full particulars, including results, interpretation and conclusions, of all exploration conducted during the twelve months period;</p> <p>b) Details of expenditure incurred in conducting that exploration;</p> <p>c) A summary of all geological findings acquired through mining or development evaluation activities;</p> <p>d) Particulars of exploration proposed to be conducted in the next twelve months period;</p> <p>e) All plans, maps, sections and other data necessary to satisfactorily interpret the report.</p>	Not triggered		Not triggered. No exploration during the IEA period.	
Licence to Use Reports					
12	<p>a) The lease holder grants to the Minister, by way of a non-exclusive licence, the right in copyright to publish, print, adapt and reproduce all exploration reports lodged in any form and for the full duration of copyright.</p> <p>b) The non-exclusive licence will operate as a consent for the purposes of section 365 of the Mining Act 1992.</p>	Note		Noted	
Confidentiality					
13	<p>a) All exploration reports submitted in accordance with the conditions of this lease will be kept confidential while the lease is in force, except in cases where:</p> <p>(i) the lease holder has agreed that specified reports may be made nonconfidential.</p> <p>(ii) reports deal with exploration conducted exclusively on areas that have ceased to be part of the lease.</p> <p>b) Confidentiality will be continued beyond the termination of a lease where an application for a flow-on title was lodged during the currency of the lease. The confidentiality will last until that flow-on title or any subsequent flow-on title, has terminated.</p> <p>c) The Director-General may extend the period of confidentiality.</p>	Not triggered		Not triggered. No exploration during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Terms of the non-exclusive licence					
14	<p>The terms of the non-exclusive copyright licence granted under condition 12 are:</p> <p>a) the Minister may sub-licence others to publish, print, adapt and reproduce but not on-licence reports.</p> <p>b) the Minister and any sub-licensee will acknowledge the lease holder's and any identifiable consultant's ownership of copyright in any reproduction of the reports, including storage of reports onto an electronic database.</p> <p>c) the lease holder does not warrant ownership of all copyright works in any report and, the lease holder will use best endeavours to identify those parts of the report for which the lease holder owns the copyright.</p> <p>d) there is no royalty payable by the Minister for the licence.</p> <p>e) if the lease holder has reasonable grounds to believe that the Minister has exercised his rights under the non-exclusive copyright licence in a manner which adversely affects the operations of the lease holder, that licence is revocable on the giving of a period of not less than three months notice.</p>	Note		Noted	
Blasting					
15	<p>a) Ground Vibration The lease holder must ensure that the ground vibration peak particle velocity generated by any blasting within the lease area does not exceed 10 mm/second and does not exceed 5 mm/second in more than 5% of the total number of blasts over a period of 12 months at any dwelling or occupied premises as the case may be, unless determined otherwise by the Department of Environment and Climate Change.</p>	Not triggered		Not triggered. No blasting during the IEA period.	
	<p>b) Blast Overpressure The lease holder must ensure that the blast overpressure noise level generated by any blasting within the lease area does not exceed 120 dB (linear) and does not exceed 115 dB (linear) in more than 5% of the total number of blasts over a period of 12 months, at any dwelling or occupied premises, as the case may be, unless determined otherwise by the Department of Environment and Climate Change.</p>				
Safety					
16	<p>Operations must be carried out in a manner that ensures the safety of persons or stock in the vicinity of the operations. All drill holes shafts and excavations must be appropriately protected, to the satisfaction of the Director-General, to ensure that access to them by persons and stock is restricted. Abandoned shafts and excavations opened up or used by the lease holder must be filled in or otherwise rendered safe to a standard acceptable to the Director-General.</p>	Not triggered		Not triggered. No exploration during the IEA period.	
Exploratory Drilling					
17	<p>a) At least twenty eight days prior to commencement of drilling operations the lease holder must notify the relevant Department of Water and Energy Regional Hydrologist of the intention to drill exploratory drill holes together with information on the location of the proposed holes.</p>	Not triggered		Not triggered. No exploration during the IEA period.	
	<p>b) If the lease holder drills exploratory drill holes he must satisfy the Director General that:-</p> <p>(i) all cored holes are accurately surveyed and permanently marked in accordance with Departmental guidelines so that their location can be easily established;</p> <p>(ii) all holes cored or otherwise are sealed to prevent the collapse of the surrounding surface;</p> <p>(iii) all drill holes are permanently sealed with cement plugs to prevent surface discharge of groundwaters;</p> <p>(iv) if any drill hole meets natural or noxious gases it is plugged or sealed to prevent their escape;</p> <p>(v) if any drill hole meets an artesian or sub-artesian flow is effectively sealed to prevent contamination of aquifers.</p> <p>(vi) once any drill hole ceases to be used the hole must be sealed in accordance with Departmental guidelines. Alternatively, the hole must be sealed as instructed by the Director-General.</p> <p>(vii) once any drill hole ceases to be used the land and its immediate vicinity is left in a clean, tidy and stable condition.</p>				
Prevention of Soil Erosion and Pollution					
18	<p>Operations must be carried out in a manner that does not cause or aggravate air pollution, water pollution (including sedimentation) or soil contamination or erosion, unless otherwise authorised by a relevant approval, and in accordance with an accepted Mining Operations Plan. For the purpose of this condition, water shall be taken to include any watercourse, waterbody or groundwaters. The lease holder must observe and perform any instructions given by the Director-General in this regard.</p>	Compliant	Annual Reviews	No reportable incidents regarding soil, air or water pollution during the IEA period.	
Transmission lines, Communication lines and Pipelines					
19	<p>Operations must not interfere with or impair the stability or efficiency of any transmission line, communication line, pipeline or any other utility on the lease area without the prior written approval of the Director-General and subject to any conditions he may stipulate.</p>	Not triggered		Not triggered. No impacts to transmission lines or pipelines during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Fences, Gates					
20	a) Activities on the lease must not interfere with or damage fences without the prior written approval of the owner thereof or the Minister and subject to any conditions the Minister may stipulate.	Not triggered		Not triggered. No impacts to fences or gates during the IEA period.	
	b) Gates within the lease area must be closed or left open in accordance with the requirements of the landholder.				
Roads and Tracks					
21	a) Operations must not affect any road unless in accordance with an accepted Mining Operations Plan or with the prior written approval of the Director-General and subject to any conditions he may stipulate.	Not triggered		Not triggered during IEA period. No damage to public roads requiring remediation/compensation during the IEA period.	
	b) The lease holder must pay to the designated authority in control of the road (generally the local council or the Roads and Traffic Authority) the cost incurred in fixing any damage to roads caused by operations carried out under the lease, less any amount paid or payable from the Mine Subsidence Compensation Fund.				
22	Access tracks must be kept to a minimum and be positioned so that they do not cause any unnecessary damage to the land. Temporary access tracks must be ripped, topsoiled and revegetated as soon as possible after they are no longer required for mining operations. The design and construction of access tracks must be in accordance with specifications fixed by the Department of Environment and Climate Change.	Compliant	Site Inspection Rehabilitation reports	Access tracks were observed to have been rehabilitated on site when no longer required.	
Trees and Timber					
23	a) The lease holder must not fell trees, strip bark or cut timber on the lease without the consent of the landholder who is entitled to the use of the timber, or if such a landholder refuses consent or attaches unreasonable conditions to the consent, without the approval of a warden.	Not triggered		Not triggered. No felling of timber on land owned by other parties during the IEA period.	
	b) The lease holder must not cut, destroy, ringbark or remove any timber or other vegetative cover on the lease area except such as directly obstructs or prevents the carrying on of operations. Any clearing not authorised under the Mining Act 1992 must comply with the provisions of the Native Vegetation Act 2003.				
	c) The lease holder must obtain all necessary approvals or licences before using timber from any Crown land within the lease area.				
Resource Recovery					
25	a) Notwithstanding any description of mining methods and their sequence or of proposed resource recovery contained within the Mining Operations Plan, if at any time the Director-General is of the opinion that minerals which the lease entitles the lease holder to mine and which are economically recoverable at the time are not being recovered from the lease area, or that any such minerals which are being recovered are not being recovered to the extent which should be economically possible or which for environmental reasons are necessary to be recovered, he may give notice in writing to the lease holder requiring the holder to recover such minerals.	Not triggered		Not triggered. No mining operations during the IEA period.	
	b) The notice shall specify the minerals to be recovered and the extent to which they are to be recovered, or the objectives in regard to resource recovery, but shall not specify the processes the lease holder shall use to achieve the specified recovery.				
	c) The lease holder must, when requested by the Director-General, provide such information as the Director-General may specify about the recovery of the mineral resources of the lease area.				
	d) The Director-General shall issue no such notice unless the matter has firstly been thoroughly discussed with and a report to the Director-General has incorporated the views of the lease holder.				
	e) The lease holder may object to the requirements of any notice issued under this condition and on receipt of such an objection the Minister shall refer it to a Warden for inquiry and report under Section 334 of the Mining Act, 1992.				
	f) After considering the Warden's report the Minister shall decide whether to withdraw, modify or maintain the requirements specified in the original notice and shall give the lease holder written notice of the decision. The lease holder must comply with the requirements of this notice.				
Indemnity					
26	The lease holder must indemnify and keep indemnified the Crown from and against all actions, suits, claims and demands of whatsoever nature and all costs, charges and expenses which may be brought against the lease holder or which the lease holder may incur in respect of any accident or injury to any person or property which may arise out of the construction, maintenance or working of any workings now existing or to be made by the lease holder within the lease area or in connection with any of the operations notwithstanding that all other conditions of this lease shall in all respects have been observed by the lease holder or that any such accident or injury shall arise from any act or thing which the lease holder may be licensed or compelled to do.	Note		Noted	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Security					
28	<p>a) The single security given and maintained with the Minister by the lease holder for the purpose of ensuring the fulfilment by the lease holder of obligations under Mineral Leases No's. 204 and 564 and Private Lands Lease No. 133 (Act 1906), Consolidated Coal Lease No. 733 and Coal Leases No's. 361 and 394 (Act 1973) and Mining Lease No. 1319 (Act 1992) Coal Lease No. 377 and Mining Purposes Lease No. 314 (Act 1973) and Mining Leases No's 1303, 1323, 1326, 1352, 1448, 1537 and 1588 (Act, 1992) is extended to apply to the renewal of this lease.</p> <p>b) If the lease holder fails to fulfil any one or more of the obligations under this lease, then the security held may be applied at the discretion of the Minister towards the cost of fulfilling such obligations. For the purpose of this clause the lease holder shall be deemed to have failed to fulfil the obligations of the lease if the lease holder fails to comply with any condition or provision hereof, any provision of the Act or regulations made thereunder or any condition or direction imposed or given pursuant to a condition or provision hereof or of any provision of the Act or regulations made thereunder.</p> <p>(c) The lease holder must provide the security required by sub-clause a) in one of the following forms: (i) cash, (ii) a security certificate in a form approved by the Minister and issued by an authorised deposit-taking institution</p>	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
Suspension of Mining Operations					
30	The holder of a consolidated mining lease may not suspend mining operations in the mining area other than in accordance with the consent of the Minister.	Not triggered		Not triggered. No mining operations during the IEA period.	
Cooperation Agreement					
31	<p>The licence holder must make every reasonable attempt, and be able to demonstrate their attempts, to enter into a cooperation agreement with the holder(s) of any overlapping petroleum title(s). The cooperation agreement should address but not be limited to issues such as:</p> <ul style="list-style-type: none">• access arrangements• operational interaction procedures• dispute resolution• information exchange• well location• timing of drilling• potential resource extraction conflicts and• rehabilitation issues .	Not triggered		Not triggered. No overlapping titles held by other companies.	
Catchment Areas					
32	<p>a) The lease holder shall carry out operations in such a way as to conform strictly to all provisions of the Sydney Water Catchment Management Act 1998 and the regulations thereunder applying to the prevention of pollution of the Warragamba Outer Catchment Area or the preservation of the purity of the water supply provided thereby or derived therefrom or for the protection of the property of Sydney Catchment Authority [hereinafter referred to as the 'the Authority'] on the Outer/ Catchment Area and also to all requirements of the Authority from time to time under the said Act or any of the regulations for the time being in force.</p> <p>b) If the lease holder shall at any time be using or about to use any process which in the opinion of the Authority is likely to pollute the Outer Catchment Area or the water supply or to endanger any property of the Authority on the Outer Catchment Area the lease holder upon service of a notice in writing under the hand of the Minister to do so shall: (i) discontinue the use of such process immediately, or (ii) thereafter refrain from adopting such process at any time, as the case may require.</p> <p>c) The lease holder shall provide and maintain to the satisfaction of the Minister efficient means to prevent the contamination, pollution, erosion or siltation of any stream or watercourse or Outer Catchment Area and shall observe any instruction given or which may be given by the Minister with a view to preventing or minimising the contamination, pollution or siltation of any stream watercourse or Outer Catchment Area.</p>	Compliant	Water management Plan. Surface Water Monitoring Program. Annual Reviews. EPL Annual Returns.	<p>(a) No pollution incidents occurred within the Warragamba Outer Catchment Area during the IEA period.</p> <p>(b) Not triggered.</p> <p>(c) Water Management Plan is in place which includes a water monitoring system. No exceedances of water monitoring criteria during the IEA period.</p> <p>(d) Not triggered during the IEA period.</p> <p>(e) (i) Toilets and adequate sanitation are made available on site. (ii) Not triggered. No camps exist within the lease area.</p> <p>(iii) Not triggered. No drilling completed within IEA period.</p> <p>(iv) Not triggered. No drilling completed within IEA period.</p> <p>(v) Not triggered. No impacts to tracks during IEA period.</p> <p>(vi) Not triggered. No drilling completed within IEA period.</p> <p>(vii) Not triggered. No impacts to fences during IEA period.</p> <p>(viii) Not triggered. No drilling completed within IEA period.</p> <p>(ix) Not triggered. No timber cutting completed within IEA period.</p> <p>(x) Compliant. Rehabilitation is ongoing during the IEA period. Authority is not yet terminated.</p>	



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	<p>d) The lease holder hereby covenants with Us Ours Heirs and Successors and as a separate covenant the lease holder hereby covenants with the Authority and its Successors that the lease holder shall at all times hereafter save harmless and keep Us and the said Authority and Our Heirs and Successors and the Successors of the said Authority indemnified from payment of compensation and from and against all actions proceedings claims and demands in respect of any injury loss of damage arising out of or in any way connected with any interference with or deprivation or loss of access to the land and premises of this authority which may occur by reason of any works or operations undertaken or carried out by the said Authority or arising out of or in any way connected with any discontinuance or alteration of any process consequent upon the service of a notice in pursuance of the provisions of Condition 32 (b) or arising out of or in any way connected with the operation of any regulations relating to Outer Catchment Areas in force at the date hereof or made by the said Authority at any time hereafter and the lease holder hereby agrees that for the purpose of this condition the said Authority shall be deemed to be a party to this authority.</p> <p>e) The lease holder shall:</p> <p>(i) Make such provisions for sanitation as may be directed by the Authority and shall at all times observe and perform any requirements of the said Authority respecting sanitation.</p> <p>(ii) not establish any camps or habitations within any area under the control of the Authority unless with the consent of the Authority.</p> <p>(iii) Not sink any drillhole within the stored waters on the subject area nor within 40 metres of the top water level thereof unless with the consent of the Authority.</p> <p>(iv) Not sink any drillhole within any watercourse on the Warragamba Outer Catchment Area nor within 100 metres thereof unless with the consent of the Authority.</p> <p>(v) Not interfere with or impede the use of the Authority tracks or endanger their stability in any way by reason of the operations unless with the consent of the Authority.</p> <p>(vi) Not construct any road to the sites of any drillholes unless with the consent of the Authority to the proposed route and type of road construction.</p> <p>(vii) Not interfere in any way with any fences on or adjacent to the Warragamba Outer Catchment Area unless with the consent in writing of the owner thereof or the Authority.</p> <p>(viii) Give twenty eight days notice to the General Manager, Catchment Operations and Major Projects, Sydney Catchment Authority, Penrith, of its intention to commence drilling operations.</p> <p>(ix) Not cut or remove any timber except such as directly obstructs or prevents the carrying on of operations and the lease holder shall obtain the consent in writing of the Authority before making use of the timber so cut for other than in connection with operations.</p> <p>(x) Complete work in relation to rehabilitation within the Warragamba Outer Catchment Area before termination of the authority to the satisfaction of the Authority.</p>				

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Notice to Landholders					
1	(a) Within a period of three months from the date of grant/renewal of this mining lease, the lease holder must serve on each landholder a notice in writing indicating that this mining lease has been granted/renewed and whether the lease includes the surface. A plan identifying each landholder and individual land parcel subject to the lease area, and a description of the lease area must accompany the notice.	Not triggered	CL394	Not triggered during the IEA period. Last renewal was 2014.	
	(b) If there are ten or more landholders, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this mining lease has been granted/renewed; state whether the lease includes the surface and must contain a plan and description of the lease area. If a notice is made under condition 1(b), compliance with condition 1(a) is not required.	Not triggered	CL394	Not triggered during the IEA period. Last renewal was 2014.	
Rehabilitation					
2	Any disturbance resulting from the activities carried out under this mining lease must be rehabilitated to the satisfaction of the Minister.	Compliant	Annual Reviews	Rehabilitation is being undertaken on disturbed areas as available (noting limited disturbance footprint).	
Mining Operations Plan and Annual Rehabilitation Report					
3	(a) The lease holder must comply with an approved Mining Operations Plan (MOP) in carrying out any significant surface disturbing activities, including mining operations, mining purposes and prospecting. The lease holder must apply to the Minister for approval of a MOP. An approved MOP must be in place prior to commencing any significant surface disturbing activities, including mining operations, mining purposes and prospecting.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020. No mining operations during the IEA period. No MOP non-compliances during the IEA period.	
	(b) The MOP must identify the post mining land use and set out a detailed rehabilitation strategy which: (i) identifies areas that will be disturbed; (ii) details the staging of specific mining operations, mining purposes and prospecting; (iii) identifies how the mine will be managed and rehabilitated to achieve the post mining land use; (iv) identifies how mining operations, mining purposes and prospecting will be carried out in order to prevent and or minimise harm to the environment; and (v) reflects the conditions of approval under: • the Environmental Planning and Assessment Act 1979; • the Protection of the Environment Operations Act 1997; and • any other approvals relevant to the development including the conditions of this mining lease.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	(b) The post mining land use is outlined in Section 4, and the proposed rehabilitation is captured in Section 7 of the MOP: (i) Areas that will be disturbed are noted in Section 2.2. (ii) Activities during the MOP term are included in Section 2. (iii) Proposed rehabilitation is included in Section 7. (iv) Environmental management is included in Section 3. (v) Conditions of approval are captured in Section 1.2.	
	(c) The MOP must be prepared in accordance with the ESG3: Mining Operations Plan (MOP) Guidelines September 2013 published on the Department's website at www.resources.nsw.gov.au/environment	Compliant	WCS MOP 1 January 2018 to 31 December 2024.	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(d) The lease holder may apply to the Minister to amend an approved MOP at any time.	Compliant	WCS MOP 1 January 2018 to 31 December	The WCS MOP was amended during the IEA period on 6 April 2020.	
	(e) It is not a breach of this condition if: (i) the operations which, but for this condition 3(e) would be a breach of condition 3(a), were necessary to comply with a lawful order or direction given under the Environmental Planning and Assessment Act 1979, the Protection of the Environment Operations Act 1997, the Mine Health and Safety Act 2004 I Coal Mine Health and Safety Act 2002 and Mine Health and Safety Regulation 2007 I Coal Mine Health and Safety Regulation 2006 or the Work Health and Safety Act 2011; and (ii) the Minister had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.	Not triggered		Not triggered.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	(f) The lease holder must prepare a Rehabilitation Report to the satisfaction of the Minister. The report must: (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP; (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resources.nsw.gov.au/environment . <i>Note: The Rehabilitation Report replaces the Annual Environmental Management Report.</i>	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (i) Rehabilitation progress is provided in Section 6.14 and Appendix N of the Annual Reviews. (ii) Annual Reviews are submitted by 31 March each year. (iii) Annual Reviews are prepared in accordance with DPIE Annual Review Guidelines.	
Non-Compliance Reporting					
4	(a) The lease holder must notify the Department upon becoming aware of any breaches of the conditions of this mining lease or breaches of the Mining Act or Regulations;	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	
	(b) Notifications under condition 4(a) must be provided in the form specified on the Department's website within seven (7) days of the mining lease holder becoming aware of the breach.	Not triggered	Annual Reviews	Not triggered. No breaches of the Mining Act during the IEA period.	
Environmental Incident Report					
5	The lease holder must provide environmental incident notifications and reports to the Secretary no later than seven (7) days after those environmental incident notifications and reports are provided to the relevant authorities under the Protection of the Environment Operations Act 1997.	Not triggered	Annual Reviews	Not triggered. No reportable environmental incidents during the IEA period.	
Extraction Plan Condition					
6	(a) In this condition: (i) approved Extraction Plan means a plan, being: A. an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary on or before 31 December 2014; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease. (b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan. (c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease. (d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A. built features; B. public safety; or C. subsidence monitoring.	Not triggered		Not triggered. No mining completed during the IEA period.	
Resource Recovery					
7	The lease holder must optimise recovery of the minerals that are the subject of this mining lease to the extent economically feasible.	Not triggered		Not triggered. No mining completed during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Security					
8	<p>Group Security</p> <p>The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations of all or any kind under the mining lease, including obligations of all or any kind under the mining lease that may arise in the future.</p> <p>The amount of the security deposit to be provided as a group security has been assessed by the Minister at \$6,750,000.</p> <p>The leases covered by the group security include:</p> <p>Mining Lease 204 (Act 1906) Mining Lease 564 (Act 1906) Private Lands Lease 133 (Act 1906) Consolidated Coal Lease 733 (Act 1973) Coal Lease 361 (Act 1973) Coal Lease 377 (Act 1973) Coal Lease 394 (Act 1973) Mining Purposes Lease 314 (Act 1973) Mining Lease 1303 (Act 1992) Mining Lease 1319 (Act 1992) Mining Lease 1323 (Act 1992) Mining Lease 1326 (Act 1992) Mining Lease 1352 (Act 1992) Mining Lease 1448 (Act 1992) Mining Lease 1537 (Act 1992) Mining Lease 1588 (Act 1992) Mining Lease 1670 (Act 1992)</p>	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	<p>The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.</p>	
Cooperation Agreement					
9	<p>The lease holder must make every reasonable attempt, and be able to demonstrate its attempts, to enter into a cooperation agreement with the holder(s) of any overlapping title(s). The cooperation agreement should address but not be limited to issues such as:</p> <ul style="list-style-type: none">• access arrangements• operational interaction procedures• dispute resolution• information exchange• well location• timing of drilling• potential resource extraction conflicts; and• rehabilitation issues.	Not triggered		<p>Not triggered. No overlapping titles held by other companies.</p>	

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14.3ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Notice to Landholders					
1	Within a period of three months from the date of grant/renewal of this lease or within such further time as the Minister may allow, the lease holder must serve on each landholder of the land a notice in writing indicating that this lease has been granted/renewed and whether the lease includes the surface. An adequate plan and description of the lease area must accompany the notice. If there are ten or more landholders affected, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this lease has been granted/renewed; state whether the lease includes the surface and must contain an adequate plan and description of the lease area.	Not triggered	CL361	Not triggered during IEA period. CL361 last renewed 2010.	
Environmental Harm					
2	The leaseholder shall implement all practicable measures to prevent and/or minimise any harm to the environment that may result from the construction, operation or rehabilitation of the development.	Compliant	Annual Reviews	No material harm to the environment during the IEA period.	
Mining Operations Plan					
3	<p>(a) Mining operations must not be carried out otherwise than in accordance with: a Mining Operations Plan (MOP) which has been approved by the Director-General of the Department of Primary Industries.</p> <p>(b) The MOP must:</p> <p>i) identify areas that will be disturbed by mining operations;</p> <p>ii) detail the staging of specific mining operations;</p> <p>iii) identify how the mine will be managed to allow mine closure;</p> <p>iv) identify how mining operations will be carried out on site in order to prevent and or minimise harm to the environment;</p> <p>v) reflect the conditions of approval under:</p> <p>the Environmental Planning and Assessment Act 1979</p> <p>the Protection of the Environment Operations Act 1997</p> <p>and any other approvals relevant to the development including the conditions of this lease; and</p> <p>vi) have regard to any relevant guidelines adopted by the Director-general.</p> <p>(c) The leaseholder may apply to the Director-General to amend an approved MOP at any time.</p> <p>(d) It is not a breach of this condition if:</p> <p>i) the operations constituting the breach were necessary to comply with a lawful order or direction given under the Mining Act 1992, the Environmental Planning and Assessment Act 1979, Protection of the Environment Operations Act 1997 or the Occupational Health and Safety Act 2000; and</p> <p>ii) the Director-General had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.</p> <p>(e) A MOP ceases to have affect 7 years after date of approval or other such period as identified by the Director-General. An approved amendment to the MOP under condition 5 does not constitute an approval for the purpose of this paragraph unless otherwise identified by the Director-General.</p>	Compliant	<ul style="list-style-type: none">WCS MOP 1 January 2018 to 31 December 2024.MOP Approval Letter from Resources Regulator dated 26/02/2018.MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020.	<p>(a) Operations during the IEA period were completed in accordance with an approved MOP.</p> <p>(b) (i) Areas that will be disturbed are noted in Section 2.2. (ii) Not applicable. No mining operations during the MOP term. (iii) Mine Closure outlined in Section 8. (iv) Environmental management is included in Section 3. (v) Conditions of approval are captured in Section 1.2. (vi) Relevant guidelines are referenced in Section 1.2.</p> <p>(c) 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.</p> <p>(d) Noted</p> <p>(e) An approved MOP was in place for the entire IEA period.</p>	
Environmental Management Reporting					
4	The lease holder must lodge Environmental Management Reports (EMR) with the Director General annually or at dates otherwise directed by the Director-General.	Compliant	Annual Reviews	Annual Reviews cover the requirements of an EMR, and are submitted by 31 March each year.	
The EMR must:					
5	<p>a) report against compliance with the MOP;</p> <p>b) report on progress in respect of rehabilitation completion criteria;</p> <p>c) report on the extent of compliance with regulatory requirements; and</p> <p>d) have regard to any relevant guidelines adopted by the Director-General;</p>	Compliant	Annual Reviews	<p>(a) Compliance with the MOP is covered in Section 6.14 and Appendix N of the Annual Reviews.</p> <p>(b) Rehabilitation progress is provided in Section 6.14 and Appendix N of the Annual Reviews.</p> <p>(c) Compliance with regulatory requirements outlined in Section 3.</p>	
6	Additional environmental reports may be required on specific surface disturbing operations or environmental incidents from time to time as directed in writing by the Director-General and must be lodged as instructed.	Not triggered		Not triggered. No additional environmental reports required under this condition during the IEA period.	
Rehabilitation					
7	Disturbed land must be rehabilitated to a sustainable/agreed end land use to the satisfaction of the Director-General.	Compliant	Annual Reviews	Rehabilitation is being undertaken on disturbed areas as available (noting limited disturbance footprint).	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Extraction Plan Condition					
8	<p>(a) In this condition: (i) approved Extraction Plan means a plan, being: A an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary on or before 31 December 2014; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease.</p> <p>(b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan.</p> <p>(c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease.</p> <p>(d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A. built features; B. public safety; or C. subsidence monitoring.</p>	Not triggered		Not triggered. No mining completing during the IEA period.	
Control of Operations					
10	<p>(a) If an Environmental Officer of the Department believes that the lease holder is not complying with any provision of the Act or any condition of this lease relating to the working of the lease, he may direct the lease holder to:- (i) cease working the lease; or (ii) cease that part of the operation not complying with the Act or conditions; until in the opinion of the Environmental Officer the situation is rectified.</p> <p>(b) The lease holder must comply with any direction given. The Director-General may confirm, vary or revoke any such direction.</p> <p>(c) A direction referred to in this condition may be served on the Mine Manager.</p>	Not triggered		Not triggered. No directions given from the Department in relation to this condition during the IEA period.	
Reports					
11	<p>The lease holder must provide an exploration report, within a period of twenty-eight days after each anniversary of the date this lease has effect or at such other date as the Director-General may stipulate, of each year. The report must be to the satisfaction of the Director-General and contain the following:</p> <p>(a) Full particulars, including results, interpretation and conclusions, of all exploration conducted during the twelve months period;</p> <p>(b) Details of expenditure incurred in conducting that exploration;</p> <p>(c) A summary of all geological findings acquired through mining or development evaluation activities;</p> <p>(d) Particulars of exploration proposed to be conducted in the next twelve months period;</p> <p>(e) All plans, maps, sections and other data necessary to satisfactorily interpret the report.</p>	Not triggered		Not triggered. No exploration during the IEA period.	
Licence to Use Reports					
12	<p>(a) The lease holder grants to the Minister, by way of a non-exclusive licence, the right in copyright to publish, print, adapt and reproduce all exploration reports lodged in any form and for the full duration of copyright.</p> <p>(b) The non-exclusive licence will operate as a consent for the purposes of section 365 of the Mining Act 1992.</p>	Note		Noted	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Confidentiality					
13	(a) All exploration reports submitted in accordance with the conditions of this lease will be kept confidential while the lease is in force, except in cases where: (i) the lease holder has agreed that specified reports may be made non-confidential. (ii) reports deal with exploration conducted exclusively on areas that have ceased to be part of the lease. (b) Confidentiality will be continued beyond the termination of a lease where an application for a flow-on title was lodged during the currency of the lease. The confidentiality will last until that flow-on title or any subsequent flow-on title, has terminated. (c) The Director-General may extend the period of confidentiality.	Not triggered		Not triggered. No exploration during the IEA period.	
Terms of the non-exclusive licence					
14	The terms of the non-exclusive copyright licence granted under condition 12 are: (a) the Minister may sub-licence others to publish, print, adapt and reproduce but not on-licence reports. (b) the Minister and any sub- licensee will acknowledge the lease holder's and any identifiable consultant's ownership of copyright in any reproduction of the reports, including storage of reports onto an electronic database. (c) the lease holder does not warrant ownership of all copyright works in any report and, the lease holder will use best endeavours to identify those parts of the report for which the lease holder owns the copyright. (d) there is no royalty payable by the Minister for the licence. (e) if the lease holder has reasonable grounds to believe that the Minister has exercised his rights under the non-exclusive copyright licence in a manner which adversely affects the operations of the lease holder, that licence is revocable on the giving of a period of not less than three months notice.	Note		Noted	
Safety					
16	Operations must be carried out in a manner that ensures the safety of persons or stock in the vicinity of the operations. All drill holes shafts and excavations must be appropriately protected, to the satisfaction of the Director-General, to ensure that access to them by persons and stock is restricted. Abandoned shafts and excavations opened up or used by the lease holder must be filled in or otherwise rendered safe to a standard acceptable to the Director-General.	Not triggered		Not triggered. No exploration during the IEA period.	
Exploratory Drilling					
17	(a) At least twenty eight days prior to commencement of drilling operations the lease holder must notify the relevant Department of Water and Energy Regional Hydrologist of the intention to drill exploratory drill holes together with information on the location of the proposed holes. (b) If the lease holder drills exploratory drill holes he must satisfy the Director-General that:- (i) all cored holes are accurately surveyed and permanently marked in accordance with Departmental guidelines so that their location can be easily established; (ii) all holes cored or otherwise are sealed to prevent the collapse of the surrounding surface; (iii) all drill holes are permanently sealed with cement plugs to prevent surface discharge of groundwaters; (iv) if any drill hole meets natural or noxious gases it is plugged or sealed to prevent their escape; (v) if any drill hole meets an artesian or sub-artesian flow it is effectively sealed to prevent contamination of aquifers. (vi) once any drill hole ceases to be used the hole must be sealed in accordance with Departmental guidelines. Alternatively, the hole must be sealed as instructed by the Director-General. (vii) once any drill hole ceases to be used the land and its immediate vicinity is left in a clean, tidy and stable condition.	Not triggered		Not triggered. No exploration during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Prevention of Soil Erosion and Pollution					
18	Operations must be carried out in a manner that does not cause or aggravate air pollution, water pollution (including sedimentation) or soil contamination or erosion, unless otherwise authorised by a relevant approval, and in accordance with an accepted Mining Operations Plan. For the purpose of this condition, water shall be taken to include any watercourse, waterbody or groundwaters. The lease holder must observe and perform any instructions given by the Director-General in this regard.	Compliant	Annual Reviews	No reportable incidents regarding soil, air or water pollution during the IEA period.	
Transmission lines, Communication lines and Pipelines					
19	Operations must not interfere with or impair the stability or efficiency of any transmission line, communication line, pipeline or any other utility on the lease area without the prior written approval of the Director-General and subject to any conditions he may stipulate.	Not triggered		Not triggered. No impacts to transmission lines or pipelines during the IEA period.	
Roads and Tracks					
21	(a) Operations must not affect any road unless in accordance with an accepted Mining Operations Plan or with the prior written approval of the Director-General and subject to any conditions he may stipulate. (b) The lease holder must pay to the designated authority in control of the road (generally the local council or the Roads and Traffic Authority) the cost incurred in fixing any damage to roads caused by operations carried out under the lease, less any amount paid or payable from the Mine Subsidence Compensation Fund.	Not triggered		Not triggered during IEA period. No damage to public roads requiring remediation/compensation during the IEA period.	
Resource Recovery					
25	(a) Notwithstanding any description of mining methods and their sequence or of proposed resource recovery contained within the Mining Operations Plan, if at any time the Director General is of the opinion that minerals which the lease entitles the lease holder to mine and which are economically recoverable at the time are not being recovered from the lease area, or that any such minerals which are being recovered are not being recovered to the extent which should be economically possible or which for environmental reasons are necessary to be recovered, he may give notice in writing to the lease holder requiring the holder to recover such minerals. (b) The notice shall specify the minerals to be recovered and the extent to which they are to be recovered, or the objectives in regard to resource recovery, but shall not specify the processes the lease holder shall use to achieve the specified recovery. (c) The lease holder must, when requested by the Director-General, provide such information as the Director-General may specify about the recovery of the mineral resources of the lease area. (d) The Director-General shall issue no such notice unless the matter has firstly been thoroughly discussed with and a report to the Director-General has incorporated the views of the lease holder. (e) The lease holder may object to the requirements of any notice issued under this condition and on receipt of such an objection the Minister shall refer it to a Warden for inquiry and report under Section 334 of the <i>Mining Act, 1992</i> . (f) After considering the Warden's report the Minister shall decide whether to withdraw, modify or maintain the requirements specified in the original notice and shall give the lease holder written notice of the decision. The lease holder must comply with the requirements of this notice.	Not triggered		Not triggered. No mining during the IEA period.	
Indemnity					
26	The lease holder must indemnify and keep indemnified the Crown from and against all actions, suits, claims and demands of whatsoever nature and all costs, charges and expenses which may be brought against the lease holder or which the lease holder may incur in respect of any accident or injury to any person or property which may arise out of the construction, maintenance or working of any workings now existing or to be made by the lease holder within the lease area or in connection with any of the operations notwithstanding that all other conditions of this lease shall in all respects have been observed by the lease holder or that any such accident or injury shall arise from any act or thing which the lease holder may be licensed or compelled to do.	Note		Noted	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Security					
28	<p>(a) The single security in the sum of \$5,862,000 must be given and maintained with the Minister by the lease holder for the purpose of ensuring the fulfilment by the lease holder of obligations under Mining Lease 204 (Act 1906), Mining Lease 564 (Act 1906), Private Lands Lease 133 (Act 1906), Consolidated Coal Lease 733 (Act 1973), Coal Lease 361 (Act 1973), Coal Lease 377 (Act 1973), Coal Lease 394 (Act 1973), Mining Purposes Lease 314 (Act 1973), Mining Lease 1303 (Act 1992), Mining Lease 1319 (Act 1992), Mining Lease 1323 (Act 1992), Mining Lease 1326 (Act 1992), Mining Lease 1352 (Act 1992), Mining Lease 1448 (Act 1992), Mining Lease 1537 (Act 1992) and Mining Lease 1588 (Act 1992). If the lease holder fails to fulfil any one or more of the obligations under this lease, then the security held may be applied at the discretion of the Minister towards the cost of fulfilling such obligations. For the purpose of this clause the lease holder shall be deemed to have failed to fulfil the obligations of the lease if the lease holder fails to comply with any condition or provision hereof, any provision of the Act or regulations made thereunder or any condition or direction imposed or given pursuant to a condition or provision hereof or of any provision of the Act or regulations made thereunder.</p> <p>(b) The lease holder must provide the security required by sub-clause (a) in one of the following forms: (i) cash, (ii) a security certificate in a form approved by the Minister and issued by an authorised deposit-taking institution</p>	Compliant	<ul style="list-style-type: none">• Letter from Resources Regulator to Centennial, dated 25/11/2019.• Various security deposit bonds provided.	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
Cooperation Agreement					
31	<p>The lease holder must make every reasonable attempt, and be able to demonstrate their attempts, to enter into a cooperation agreement with the holder(s) of any overlapping petroleum title(s). The cooperation agreement should address but not be limited to issues such as:</p> <ul style="list-style-type: none">• access arrangements• operational interaction procedures dispute resolution• information exchange well location• timing of drilling• potential resource extraction conflicts and rehabilitation issues.	Not triggered		Not triggered. No overlapping titles held by other companies.	
Sydney Catchment					
32	<p>(a) The lease holder shall carry out operations in such a way as to conform strictly to all provisions of the Sydney Water Catchment Management Act 1998 and the regulations thereunder applying to the prevention of pollution of the Warragamba Outer Catchment Area or the preservation of the purity of the water supply provided thereby or derived therefrom or for the protection of the property of Sydney Catchment Authority [hereinafter referred to as the 'the Authority'] on the Warragamba Outer Catchment Area and also to all requirements of the Authority from time to time under the said Act or any of the regulations for the time being in force.</p> <p>(b) If the lease holder shall at any time be using or about to use any process which in the opinion of the Authority is likely to pollute the Warragamba Outer Catchment Area or the water supply or to endanger any property of the Authority on the Warragamba Outer Catchment Area the lease holder upon service of a notice in writing under the hand of the Minister to do so shall: (i) discontinue the use of such process immediately, or (ii) thereafter refrain from adopting such process at any time, as the case may require.</p> <p>(c) The lease holder shall provide and maintain to the satisfaction of the Minister efficient means to prevent the contamination, pollution, erosion or siltation of any stream or watercourse or Warragamba Outer Catchment Area and shall observe any instruction given or which may be given by the Minister with a view to preventing or minimising the contamination, pollution or siltation of any stream watercourse or Warragamba Outer Catchment Area.</p> <p>(d) The lease holder hereby covenants with Us Ours Heirs and Successors and as a separate covenant the lease holder hereby covenants with the Authority and its Successors that the lease holder shall at all times hereafter save harmless and keep Us and the said Authority and Our Heirs and Successors and the Successors of the said Authority indemnified from payment of compensation and from and against all actions proceedings claims and demands in respect of any injury loss of damage arising out of or in any way connected with any interference with or deprivation or loss of access to the land and premises of this authority which may occur by reason of any works or operations undertaken or carried out by the said Authority or arising out of or in any way connected with any discontinuance or alteration of any process consequent upon the service of a notice in pursuance of the provisions of Condition 31 (b) or arising out of or in any way connected with the operation of any regulations relating to Warragamba Outer Catchment Area in force at the date hereof or made by the said Authority at any time hereafter and the lease holder hereby agrees that for the purpose of this condition the said Authority shall be deemed to be a party to this authority.</p>	Compliant	Water management Plan. Surface Water Monitoring Program. Annual Reviews. EPL Annual Returns.	<p>(a) No pollution incidents occurred within the Warragamba Outer Catchment Area during the IEA period.</p> <p>(b) Not triggered.</p> <p>(c) Water Management Plan is in place which includes a water monitoring system. No exceedances of water monitoring criteria during the IEA period.</p> <p>(d) Not triggered during the IEA period.</p> <p>(e) (i) Toilets and adequate sanitation are made available on site.</p> <p>(ii) Not triggered. No camps exist within the lease area.</p> <p>(iii) Not triggered. No drilling completed within IEA period.</p> <p>(iv) Not triggered. No drilling completed within IEA period.</p> <p>(v) Not triggered. No impacts to tracks during IEA period.</p> <p>(vi) Not triggered. No drilling completed within IEA period.</p> <p>(vii) Not triggered. No impacts to fences during IEA period.</p> <p>(viii) Not triggered. No drilling completed within IEA period.</p> <p>(ix) Not triggered. No timber cutting completed within IEA period.</p> <p>(x) Compliant. Rehabilitation is ongoing during the IEA period. Authority is not yet terminated.</p>	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	(e) The lease holder shall: (i) Make such provisions for sanitation as may be directed by the Authority and shall at all times observe and perform any requirements of the said Authority respecting sanitation. (ii) Not establish any camps or habitations within any area under the control of the Authority unless with the consent of the Authority. (iii) Not sink any drillhole within the stored waters on the subject area nor within 40 metres of the top water level thereof unless with the consent of the Authority. (iv) Not sink any drillhole within any watercourse on the Warragamba Outer Catchment Area nor within 100 metres thereof unless with the consent of the Authority. (v) Not interfere with or impede the use of the Authority tracks of endanger their stability in any way by reason of the operations unless with the consent of the Authority. (vi) Not construct any road to the sites of any drillholes unless with the consent of the Authority to the proposed route and type of road construction. (vii) Not interfere in any way with any fences on or adjacent to the Warragamba Outer Catchment Area unless with the consent in writing of the owner thereof or the Authority. (viii) Give twenty eight days notice to the General Manager, Catchment Operations, Sydney Catchment Authority, Penrith, of its intention to commence drilling operations. (ix) Not cut or remove any timber except such as directly obstructs or prevents the carrying on of operations and the lease holder shall obtain the consent in writing of the Authority before making use of the timber so cut for other than in connection with operations. (x) Complete work in relation to rehabilitation within the Warragamba Outer Catchment Area before termination of the authority to the satisfaction of the Authority.				
Special Condition					
33	(a) Subject to paragraph (b) of this condition coal mining operations within that part of the subject area beneath Trunk Road No. 55 shall be restricted to the driving of access headings and associated cut-throughs. (b) The Driving of any such headings and cut-throughs shall only be carried out in accordance with such plans as may be approved by the Chief Inspector of Coal Mines and subject to such conditions as he may impose.	Not triggered		Not triggered. No mining during the IEA period.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Extraction of Coal					
1	The lease holder shall extract as large a percentage of the coal in the subject area as is practicable consistent with the provisions of the Coal Mines Regulations Act 1982 and the Regulations thereunder and shall comply with any direction given or which may be given in this regard by the Minister.	Not triggered		No mining completed during IEA period.	
Mining, Rehabilitation, Environmental Management Process (MREMP) Mining Operations Plan (MOP)					
2	(1) Mining operations, including mining purposes, must be conducted in accordance with a Mining Operations Plan (the Plan) satisfactory to the Director-General. The Plan together with environmental conditions of development consent and other approvals will form the basis for:- (a) ongoing mining operations and environmental management; and (b) ongoing monitoring of the project.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	Operations during the IEA period were completed in accordance with an approved MOP.	
	(2) The Plan must be prepared in accordance with the Director-General's 5 guidelines current at the time of lodgement.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. 	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
	(3) A Plan must be lodged with the Director-General:- (a) prior to the commencement of operations; (b) subsequently as appropriate prior to the expiry of any current Plan; and (c) in accordance with any direction issued by the Director-General.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	An approved 2018-2024 MOP was in place for the IEA period. 2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.	
	(4) The Plan must present a schedule of proposed mine development for a period of up to seven (7) years and contain diagrams and documentation which identify:- (a) area(s) proposed to be disturbed under the Plan; (b) mining and rehabilitation method(s) to be used and their sequence; (c) areas to be used for disposal of tailings/waste; (d) existing and proposed surface infrastructure; (e) progressive rehabilitation schedules; (f) areas of particular environmental sensitivity; (g) water management systems (including erosion and sediment controls); (h) proposed resource recovery; and (i) where the mine will cease extraction during the term of the Plan, a closure plan including final rehabilitation objectives/methods and post mining land use/vegetation	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. 	(4) The MOP covers the 7 year period from 2018-2024. (a) Proposed disturbance outlined in Section 2.2 (b) Proposed rehabilitation outlined in Section 7 and shown in MOP Plans. (c) Reject emplacement covered in Section 2.2.8 and 2.2.9. (d) Surface infrastructure outlined in Section 2.4 (e) Progressive rehabilitation included in Section 7. (f) Areas of environmental sensitivity covered in Section 3. (g) Water management addressed in Section 3.2.3. (h) Not applicable. (i) Not applicable.	
	(5) The Plan when lodged will be reviewed by the Department of Mineral Resources.	Compliant	<ul style="list-style-type: none"> MOP Approval Letter from Resources Regulator dated 26/02/2018. MOP Amdt A Approval Letter from Resources Regulator dated 28/08/2020. 	2018-2024 MOP was approved on 26/02/2018. 2018-2024 MOP Amendment A was approved on 28/08/2020.	
	(6) The Director-General may within two (2) months of the lodgement of a Plan, require modification and relodgement.	Not triggered		Not triggered	
	(7) If a requirement in accordance with clause (6) is not issued within two months of the lodgement of a Plan, lease holder may proceed with implementation of the Plan submitted subject to the lodgement of the required security deposit within the specified time.	Not triggered		Not triggered	
	(8) During the life of the Mining Operations Plan, proposed modifications to the Plan must be lodged with the Director-General and will be subject to the review process outlined in clauses (5) - (7) above.	Compliant	<ul style="list-style-type: none"> WCS MOP 1 January 2018 to 31 December 2024. 	The WCS MOP Amdt A was prepared in accordance with ESG3 and was approved on 28 August 2020.	
Annual Environmental Management Report (AEMR)					
3	(1) Within 12 months of the commencement of mining operations and thereafter annually or, at such other times as may be allowed by the Director-General, the lease holder must lodge an Annual Environmental Management Report (AEMR) with the Director-General.	Compliant	Annual Reviews	Annual Reviews cover the requirement of an AEMR. Submitted annually in March.	

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Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
	(2) The AEMR must be prepared in accordance with the Director-General's guidelines current at the time of reporting and contain a review and forecast of performance for the preceding and ensuing twelve months in terms of:- (a) the accepted Mining Operations Plan; (b) development consent requirements and conditions; (c) Department of Environment and Conservation and Department of Infrastructure, Planning and Natural Resources licences and approvals; (d) any other statutory environmental requirements; (e) details of any variations to environmental approvals applicable to the lease area. and (f) where relevant, progress towards final rehabilitation objectives.	Compliant	Annual Reviews	Annual Reviews cover the requirements of a Rehabilitation Report. (a) Section 3, Section 6.14 and Appendix N (b) Section 3 (c) Section 3 (d) Section 3 (e) Section 3 (f) Section 6.14 and Appendix N	
	(3) After considering an AEMR the Director-General may, by notice in writing, direct the lease holder to undertake operations, remedial actions or supplementary studies in the manner and within the period specified in the notice to ensure that operations on the lease area are conducted in accordance with sound mining and environmental practice.	Not triggered		Not triggered.	
	(4) The lease holder shall, as and when directed by the Minister, co-operate with the Director-General to conduct and facilitate review of the AEMR involving other government agencies.	Compliant	Annual Reviews	Annual Review is provided to the following government agencies: DPIE, Resources Regulator, Lithgow City Council, EPA, Forestry and DPI Water.	
Barriers					
9	The lease holder shall not work or cause to be worked any seam of coal within the subject area without leaving, if the Minister, so directs, a barrier of such width or a protective pillar or pillars of such size or sizes against any surface improvements of any feature whether natural or artificial.	Not triggered		No mining completed during IEA period.	
Management and Rehabilitation of Lands (general)					
19	The lease holder shall observe any instruction given or which may be given by the Minister with a view to minimising or preventing public inconvenience or damage to public or private property.	Not triggered		No triggered. No direction given from the Minister.	
20	If required to do so by the Minister and within such time as may be stipulated by the Minister the lease holder shall carry out to the satisfaction of the Minister surveys of structures, buildings and pipelines on adjacent landholdings to determine the effect of operations on any such structures, buildings and pipelines.	Not triggered		No triggered. No direction given from the Minister.	
22	Upon completion of operations on the surface of the subject area or upon the expiry or sooner determination of this authority or any renewal thereof, the lease holder shall remove from such surface such buildings, machinery, plant, equipment, constructions and works as may be directed by the Minister and such surface shall be rehabilitated and left in a clean, tidy and safe condition to the satisfaction of the Minister.	Not triggered		Not triggered. Operations not yet completed.	
23	If so directed by the Minister the lease holder shall rehabilitate to the satisfaction of the Minister and within such time as may be allowed by the Minister any lands within the subject area which may have been disturbed by mining or prospecting operations whether such operations were or were not carried out by the lease holder.	Not triggered		No triggered. No direction given from the Minister.	
Trees (Planting and Protection of) Flora and Fauna and Arboreal Screens					
27	If so directed by the Minister, the lease holder shall ensure that operations are carried out in such manner so as to minimise disturbance to flora and fauna within the subject area.	Not triggered		No triggered. No direction given from the Minister.	
Roads					
31	The lease holder shall pay to Council of the City of Lithgow, Department of Lands or the Chief Executive, Roads and Traffic Authority the cost incurred by such Council or Department or Chief Executive of making good any damage caused by operations carried on by or under the authority of the lease holder to any road adjoining or traversing the surface or the excepted surface, as the case may be of the subject area. PROVIDED HOWEVER that the amount to be paid by the. lease holder as aforesaid shall be reduced by such sum of money if any as may be paid to the said Council the Department of Lands or the Chief Executive, Roads and Traffic Authority as the case may be from the Mine Subsidence Compensation Fund constituted under the Mine Subsidence Compensation Act, 1961, in settlement of a claim for compensation for the same damage.	Not triggered		Not triggered during IEA period. No damage to public roads requiring remediation/compensation during the IEA period.	

PLL 133**16.5ha**

Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Catchment Areas					
34	<p>(a) The lease holder shall carry out operations in such a way as to conform strictly to all provisions of the Sydney Water Catchment Management Act 1998 and the regulations thereunder applying to the prevention of pollution of the Warragamba Outer Catchment Area or the preservation of the purity of the water supply provided thereby or derived therefrom or for the protection of the property of Sydney Catchment Authority [hereinafter referred to as the 'the Authority'] on the Outer Catchment Area and also to all requirements of the Authority from time to time under the said Act or any of the regulations for the time being in force.</p> <p>(b) If the lease holder shall at any time be using or about to use any process which in the opinion of the Authority is likely to pollute the Outer Catchment Area or the water supply or to endanger any property of the Authority on the Outer Catchment Area the lease holder upon service of a notice in writing under the hand of the Minister to do so shall:</p> <p>(i) discontinue the use of such process immediately, or</p> <p>(ii) thereafter refrain from adopting such process at any time, as the case may require.</p> <p>(c) The lease holder shall provide and maintain to the satisfaction of the Minister efficient means to prevent the contamination, pollution, erosion or siltation of any stream or watercourse or Outer Catchment Area and shall observe any instruction given or which may be given by the Minister with a view to preventing or minimising the contamination, pollution or siltation of any stream watercourse or Outer Catchment Area.</p> <p>(d) The lease holder hereby covenants with Us Ours Heirs and Successors and as a separate covenant the lease holder hereby covenants with the Authority and its Successors that the lease holder shall at all times hereafter save harmless and keep Us and the said Authority and Our Heirs and Successors and the Successors of the said Authority indemnified from payment of compensation and from and against all actions proceedings claims and demands in respect of any injury loss of damage arising out of or in any way connected with any interference with or deprivation or loss of access to the land and premises of this authority which may occur by reason of any works or operations undertaken or carried out by the said Authority or arising out of or in any way connected with any discontinuance or alteration of any process consequent upon the service of a notice in pursuance of the provisions of Condition 34(b) or arising out of or in any way connected with the operation of any regulations relating to Outer Catchment Area in force at the date hereof or made by the said Authority at any time hereafter and the lease holder hereby agrees that for the purpose of this condition the said Authority shall be deemed to be a party to this authority.</p>	Compliant	Water management Plan. Surface Water Monitoring Program. Annual Reviews. EPL Annual Returns.	<p>(a) No pollution incidents occurred within the Warragamba Outer Catchment Area during the IEA period.</p> <p>(b) Not triggered.</p> <p>(c) Water Management Plan is in place which includes a water monitoring system. No exceedances of water monitoring criteria during the IEA period.</p> <p>(d) Not triggered during the IEA period.</p>	
35	<p>The lease holder shall:</p> <p>(a) Make such provisions for sanitation as may be directed by the Authority and shall at all times observe and perform any requirements of the said Authority respecting sanitation.</p> <p>(b) not establish any camps or habitations within any area under the control of the Authority unless with the consent of the Authority.</p> <p>(c) Not sink any drillhole within the stored waters on the subject area nor within 40 metres of the top water level thereof unless with the consent of the Authority.</p> <p>(d) Not sink any drillhole within any watercourse on the Warragamba Outer Catchment Area nor within 100 metres thereof unless with the consent of the Authority.</p> <p>(e) Not interfere with or impede the use of the Authority tracks of endanger their stability in any way by reason of the operations.</p> <p>(f) Not construct any road to the sites of any drillholes unless with the consent of the Authority to the proposed route and type of road construction.</p> <p>(g) Not interfere in any way with any fences on or adjacent to the Warragamba Outer Catchment Area unless with the consent in writing of the owner thereof or the Authority.</p> <p>(h) Give twenty eight days notice to the General Manager, Catchment Operations and Major Projects, Sydney Catchment Authority, Penrith, of its intention to commence drilling operations.</p> <p>(i) Not cut or remove any timber except such as directly obstructs or prevents the carrying on of operations and the lease holder shall obtain the consent in writing of the Authority before making use of the timber so cut for other than in connection with operations.</p> <p>(j) Complete work in relation to rehabilitation within the Warragamba Outer Catchment Area before termination of the authority to the satisfaction of the Corporation.</p>	Compliant	Site inspection.	<p>(a) Toilets and adequate sanitation are made available on site.</p> <p>(b) Not triggered. No camps exist within the lease area.</p> <p>(c) Not triggered. No drilling completed within IEA period.</p> <p>(d) Not triggered. No drilling completed within IEA period.</p> <p>(e) Not triggered. No impacts to tracks during IEA period.</p> <p>(f) Not triggered. No drilling completed within IEA period.</p> <p>(g) Not triggered. No impacts to fences during IEA period.</p> <p>(h) Not triggered. No drilling completed within IEA period.</p> <p>(i) Not triggered. No timber cutting completed within IEA period.</p> <p>(j) Compliant. Rehabilitation is ongoing during the IEA period. Authority is not yet terminated.</p>	
TRANSMISSION LINES, COMMUNICATION LINES AND PIPELINES					
41	The lease holder shall as far as is practicable so conduct operations as not to interfere with or impair the stability or efficiency of any transmission line, communication line or pipeline traversing the surface or the excepted surface of the subject area and shall comply with any direction given or which may be given by the Minister in this regard.	Not triggered		Not triggered. No impacts to transmission lines or pipelines during the IEA period.	
ABORIGINAL OBJECT OR ABORIGINAL PLACE					
43	The lease holder shall not knowingly destroy, deface or damage any Aboriginal object or Aboriginal place within the subject area except in accordance with an authority issued under the National Parks and Wildlife Act, 1974, and shall take every precaution in drilling, excavating or disturbing the land against any such destruction, defacement or damage.	Not triggered		Not triggered. No impacts to Aboriginal places during the IEA period.	

PLL 133

16.5ha



Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
ADDITIONAL INFORMATION					
45	<p>The lease holder shall if directed by the Minister and within such time as the Minister may stipulate furnish to the Minister:</p> <p>(a) information regarding the ownership of the land within the subject area;</p> <p>(b) information regarding the ownership of the coal within the subject area prior to 1st January, 1982;</p> <p>(c) an indemnity in a form approved by the Minister indemnifying the Crown and the Minister against any wrong payment effected as a result of incorrect information furnished by the lease holder;</p> <p>(d) information regarding the financial viability of the lease holder and operations within and associated with the subject area; and</p> <p>(e) information regarding shareholdings in the lease holder.</p>	Not triggered		Not triggered. No direction for information from the Minister provided during the IEA period.	
SERVICE OF NOTICES					
46	<p>Within a period of three (3) months from the date of service of the notice of renewal, or within such further time as the Director General may allow, the lease holder shall serve on each landholder within the subject area a notice in writing indicating that this authority has been renewed and whether the authority includes the surface. The notice shall be accompanied by an adequate plan and description of the subject area.</p> <p>If there are ten (10) or more landholders affected the lease holder may serve the notice by publication in a newspaper circulating in the region where the subject area is situated. The notice shall indicate that this authority has been renewed, state whether the authority includes the surface and shall contain an adequate plan and description of the subject area.</p>	Not triggered	PLL 133	Not triggered during the IEA period, PLL133 last renewed in 2004.	
INSPECTORS					
47	<p>(a) Where an Inspector under the Mining Act 1992 is of the opinion that, any condition of this authority relating to operations within the subject area, or any provision of the Mining Act, 1992, relating to operations within the subject area, are not being complied with by the lease holder, the Inspector may serve on the lease holder a notice stating that and give particulars of the reason why, and may in such notice direct the lease holder:</p> <p>(i) to cease operations within the subject area in contravention of that condition or Act; and</p> <p>(ii) to carry out within the specified time works necessary to rectify or remedy the situation.</p> <p>(b) The lease holder shall comply with the directions contained in any notice served pursuant to sub paragraph (a) of this condition. The Director General may confirm, vary or revoke any such direction.</p> <p>(c) A notice referred to in this condition may be served on the Colliery Manager.</p>	Not triggered		Not triggered. No notices issued by the Director.	
INDEMNITIES					
48	The lease holder shall indemnify and keep indemnified the Crown from and against all actions suits and claims and demands of whatsoever nature and all costs charges and expense which may be brought against the lease holder or which the lease holder may incur respect of any accident or injury to any person or property which may arise out of the construction maintenance or working of any workings now existing or to be made by the lease holder within the boundaries of the subject area or in connection with any of the operations notwithstanding that all other conditions of this authority shall in all respects have been observed by the lease holder or that any such accident or injury shall arise from any act or thing which the lease which the lease holder may be licensed or compelled to do hereunder.	Note		Noted	
49	The lease holder shall save harmless the Crown from payment of compensation and from and against all claims, actions, suits or demands whatsoever in the event of any damage resulting from mining operations under or near the subject area.	Note		Noted	
PROSPECTING (GENERAL)					
50	<p>(a) Where the lease holder desires to commence prospecting operations in the subject area the lease holder shall notify the Director General in writing and shall comply with such additional conditions as the Minister may impose including any condition requiring the lodgement of an additional bond or other form of security for rehabilitation of the area affected by such operations.</p> <p>(b) Where the lease holder notifies the Director General pursuant to sub paragraph (a) of this condition the lease holder shall furnish with that notification details of the type of prospecting methods that would be adopted and the extent and location of the area that would be affected by them.</p>	Not triggered		Not triggered. No prospecting activities completed during the IEA period.	

PLL 133
16.5ha





Condition Number	Condition	Compliance Status	Source of Evidence	Finding	Recommended Action
Security Deposit					
51	<p>(a) The lease holder shall, upon request by the Director General, lodge with the Minister the sum of \$915,000.00 as security for the fulfillment of the obligations of the lease holder under Mineral Leases No's 204 and 564 and Private Lands Lease No. 133 (Act 1906), Consolidated Coal Lease No. 733 and Coal Leases No's. 361 and 394 (Act, 1973) and Mining Lease No. 1319 (Act 1992). In the event that the lease holder fails to fulfill any of the lease holder's obligations under those authorities the said sum may be applied at the discretion of the Minister towards the cost of fulfilling such obligations. For the purposes of the clause a lease holder shall be deemed to have failed to fulfill the lease holder's obligations under these authorities, if the lease holder fails to comply with any condition or provision of these authorities, any provision of the Act or regulations made thereunder or any condition or direction imposed or given pursuant to a condition or provision of these authorities or of any provision of the Act or regulations made thereunder.</p> <p>(b) The lease holder must provide the security required by sub-clause (a) hereof in one of the following forms: (i) cash, or (ii) a security certificate in such form and given by such surely as may from time to time be approved by the Minister.</p> <p>(b) The Minister may at any time, vary the amount of security required in accordance with this condition.</p>	Compliant	<ul style="list-style-type: none"> • Letter from Resources Regulator to Centennial, dated 25/11/2019. • Various security deposit bonds provided. 	The combined security deposit for Western Coal Services was assessed on 25/11/2019 and was determined to be \$18,890,000. Copies of various security bonds provided.	
Royalty at Additional Cost					
54	The lease holder shall during the term of this authority pay to the Minister royalty at the additional rate-as prescribed by the Regulations for coal recovered by open cut mining methods from the area.	Not triggered		Not triggered. No mining activities completed during the IEA period.	
Extraction Plan Condition					
	<p>(a) In this condition: (i) approved Extraction Plan means a plan, being: A. an extraction plan or subsidence management plan approved in accordance with the conditions of a relevant development consent and provided to the Secretary; or B. a subsidence management plan relating to the mining operations subject to this lease: I. submitted to the Secretary on or before 31 December 2014; and II. approved by the Secretary. (ii) relevant development consent means a development consent or project approval issued under the Environmental Planning & Assessment Act 1979 relating to the mining operations subject to this lease.</p> <p>(b) The lease holder must not undertake any underground mining operations that may cause subsidence except in accordance with an approved Extraction Plan.</p> <p>(c) The lease holder must ensure that the approved Extraction Plan provides for the effective management of risks associated with any subsidence resulting from mining operations carried out under this lease.</p> <p>(d) The lease holder must notify the Secretary within 48 hours of any: (i) incident caused by subsidence which has a potential to expose any person to health and safety risks; (ii) significant deviation from the predicted nature, magnitude, distribution, timing and duration of subsidence effects, and of the potential impacts and consequences of those deviations on built features and the health and safety of any person; or (iii) significant failure or malfunction of a monitoring device or risk control measure set out in the approved Extraction Plan addressing: A. built features; B. public safety; or C. subsidence monitoring.</p>	Not triggered		Not triggered. No mining operations during IEA period.	


APPENDIX C

IEA Declaration of Independence



Declaration of Independence – Independent Environmental Audit

Independent Audit Certification Form	
Development Name	Western Coal Services
Development Consent No	SSD-5579
Operator	Springvale Coal Pty Ltd
Independent Audit	
Title of Audit	Western Coal Services Independent Environmental Audit 2021
<p>I certify that I will undertake the independent audit and prepare the contents of the independent audit report as an independent, impartial and objective auditor:</p> <ul style="list-style-type: none">• I am NOT related to any owner or operator of the development. Such a relationship includes: employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the audit, spouse, partner, sibling, parent, and child;• I do NOT have any pecuniary interest in the development (or parent company). Such an interest includes the situation where there is a reasonable likelihood or expectation of financial gain or loss to the auditor, or to a person to whom the auditor is closely related (i.e. immediate family);• I have NOT provided services (not including independent reviews / auditing) to the development to the extent that they would be auditing work done by themselves or their company <i>see Declaration below</i>; or• I did NOT accept any inducement, commission, gift or any other benefit from auditee organisations, their employees or any interested party or knowingly allow colleagues to do so. <p><u>Declaration of Prior Works</u> Chris Jones (IEMA) has had minor involvement with the development by previously assisting with the update of the Rehabilitation Management Plan within the last three years. This was when they worked for a previous company. To eliminate conflict of interest, Clayton Richards will be introduced to the project as an independent Rehabilitation specialist.</p>	
Lead Auditor:	
Name	Chris Jones
Signature	
Email	chris.jones@iema.com.au
Auditor Certification	Principal Environmental Auditor
Address	IEMA, 51 Hudson St, Hamilton , NSW 2303
Date	13/08/2021
Assistant Auditor	
Name	Jessica Coffey
Signature	
Address	IEMA, 51 Hudson St, Hamilton, NSW 2303
Email	jessica.coffey@iema.com.au
Date	13/08/2021


Rehabilitation Specialist	
Name	Clayton Richards
Signature	
Address	PO Box 11034, Tamworth, NSW 2340
Email	clayton@minesoils.com.au>
Date	13/08/2021



APPENDIX D

Independent Audit Certification Form



Development Name	Western Coal Services
Development Consent No.	SSD-5579
Description of Development	Coal Handling Site
Development Address	Castlereagh Highway, Blackmans Flat NSW
Operator	Springvale Coal Pty Ltd
Operator Address	Wallerawang NSW
Title of Audit	Western Coal Services Independent Environmental Audit 2021
Audit Period	2 November 2018 to 1 November 2021
<p><i>I certify that I have undertaken the independent Audit and prepared the contents of the attached independent Audit report and to the best of my knowledge:</i></p> <ul style="list-style-type: none"> <i>The Audit has been undertaken in accordance with relevant approval condition(s) and in accordance with the Auditing standard AS/NZS ISO 19011:2014 and Post Approval Guidelines – Independent Audits;</i> <i>The findings of the Audit are reported truthfully, accurately and completely;</i> <i>I have exercised due diligence and professional judgement in conducting the Audit;</i> <i>I have acted professionally, in an unbiased manner and did not allow undue influence to limit or over-ride objectivity in conducting the Audit;</i> <i>I am not related to any owner or operator of the development as an employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the Audit, spouse, partner, sibling, parent, or child;</i> <i>I do not have any pecuniary interest in the Audited development, including where there is a reasonable likelihood or expectation of financial gain or loss to me or to a person to whom I am closely related (i.e., immediate family);</i> <i>Neither I nor my employer have provided consultancy services for the Audited development that were subject to this Audit except as otherwise declared to the lead regulator prior to the Audit; and</i> <i>I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from fair payment) from any owner or operator of the development, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.</i> <p><i>Note.</i></p> <p><i>The Independent Audit is an ‘environmental Audit’ for the purposes of section 122B (2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an Audit report produced to the Minister in connection with an environmental Audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</i></p> <p><i>The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).</i></p>	
Signature	
Name of Lead / Principal Auditor	Chris Jones
Address	41 Llewellyn Street, Merewether NSW
Email Address	chris.jones@iema.com.au
Auditor Certification	Principal Environmental Auditor
Date:	7 February 2022

APPENDIX E

DPIE Endorsement of the IEA Team



SPRINGVALE COAL PTY LIMITED
Attention: Mr Stephen Shoesmith
PO BOX 1000
Toronto New South Wales 2283

14/10/2021

Dear Stephen Shoesmith

**Western Coal Services SSD-5579
Independent Environmental Audit Auditor Endorsement Request**

I refer to your application submitted to the Department of Planning, Industry and Environment (the Department) on 13 October 2021, seeking the Secretary's endorsement for an audit team to undertake the Independent Environmental Audit (IEA) in accordance with Schedule 5 Condition 9 for the Western Coal Service Project SSD-5579 (the consent).

The Department has reviewed the nomination and information you have provided and is satisfied that the Integrated Environmental Management Australia (IEMA) team are suitably qualified and experienced.

Consequently, in accordance with Schedule 5 Condition 9(a) of the Consent and the Independent Audit Post Approval Requirements, the Secretary has agreed to the following audit team below to undertake the IEA and prepare the IEA Report:

- Chris Jones – Lead Auditor;
- Jess Coffey – Auditor; and
- Clayton Richards – Rehabilitation Specialist.

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

The Independent Audit must be prepared, undertaken and finalised in accordance with the Independent Audit Post Approval Requirements. Failure to meet these requirements will require revision and resubmission.

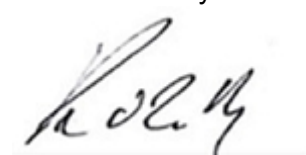
The Department reserves the right to request an alternate auditor or audit team for future audits.

Notwithstanding the agreement for the above listed audit team for this Project, each respective project approval or consent requires a request for the agreement to the auditor or audit team be submitted to the Department, for consideration of the 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.

Prior to submitting the IEA report, it is recommended that you review the report to ensure it complies with all relevant consent condition and the Independent Audit Post Approval Requirements.

If you wish to discuss the matter further, please contact Jennifer Rowe on 0242471851.

Yours sincerely

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

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

APPENDIX F

Records of Consultation



From: [CS Connect Service Centre](#)
To: [Jessica Coffey](#)
Subject: FIN0603414 - Western Coal Services 2021 IEA Consultation - NRAR
Date: Tuesday, 14 December 2021 3:21:43 PM
Attachments: [cs_footer.pngx](#)



Dear Sir/Madam

Thank you for contacting the **Natural Resources Access Regulator (NRAR)**.

This is an automated email to advise you of the NRAR case number allocated to your enquiry: **FIN0603414**

We will register your enquiry/application and will be in contact with you in response to this matter:

Description - received from: jessica.coffey@iema.com.au

Attention: Compliance Department

Good afternoon,

This email has been prepared seeking feedback into the 2021 Independent Environmental Audit (IEA) for Centennial's Western Coal Services. The IEA will be completed in accordance with Schedule 5 Condition 9 of SSD-5579 (as modified) and will also include the relevant Statement of Commitments, Environment Protection Licences (EPLs) and Mining Leases.

The audit will cover the three year period from November 2018 to November 2021.

The approved audit team (letter attached) was endorsed by the Department of Planning, Industry and Environment (DPIE) on 14 October 2021, and comprises:

- * Chris Jones (Principal Environmental Consultant - IEMA) - Lead Auditor;
- * Jessica Coffey (Associate Environmental Consultant - IEMA) - Assistant Auditor; and
- * Clayton Richards (Rehabilitation Specialist).

The Audit team is seeking feedback from NRAR regarding activities during the IEA period, as required under the DPIE Audit Guidelines (2015). Please send an email with any feedback you have about the site or any particular aspects that you would like reviewed.

If you would prefer to have your input kept confidential, please call on the number below and the queries will be assessed in the IEA but not attributed to you or your organisation.

Regards,
Jessica

Jessica Coffey
Associate Environmental Consultant
[A picture containing arrow Description automatically generated]
Please note our office will be closed between December 17 - Jan 4

ABN 32 622 237 870
PO Box 3161, MEREWETHER NSW 2291 AUSTRALIA
e: jessica.coffey@iema.com.au<<mailto:jessica.coffey@iema.com.au>>
m: 0410 046 712 | w: www.iema.com.au<<http://www.iema.com.au>>

[cid:image002.jpg@01D7F0FD.C17680C0]

IMPORTANT - PLEASE READ

The information contained in this e-mail message and any attached files may be confidential information, and may also be subject to professional privilege. If you are not the intended recipient, any use, disclosure or copying of this e-mail is unauthorised. If you have received this e-mail in error, please notify us immediately by reply e-mail to sender and delete the original.

To access further information please visit www.industry.nsw.gov.au/nrar, or via the following Fact Sheets and Guidelines:

- **Application fees for controlled activity approvals**
- https://www.industry.nsw.gov.au/__data/assets/pdf_file/0006/160692/Fact-sheet-Application-fees-for-controlled-activity-approvals-2018-19.pdf
- **Guidelines for controlled activities on waterfront land**
- <https://www.industry.nsw.gov.au/natural-resources-access-regulator/policies-and-guidelines>
- **Investigating alleged breaches FAQs** - https://www.industry.nsw.gov.au/__data/assets/pdf_file/0005/156893/NRAR-Investigating-alleged-breaches-FAQs.pdf
- **Compliance with water legislation** - https://www.industry.nsw.gov.au/__data/assets/pdf_file/0008/156860/NRAR-Compliance-with-water-legislation.pdf
- **NRAR Prosecution guidelines** - https://www.industry.nsw.gov.au/__data/assets/pdf_file/0014/144041/NRAR-Prosecution-guidelines.pdf
- **NRAR compliance approach to Metering Regulations**
- https://www.industry.nsw.gov.au/__data/assets/pdf_file/0005/205790/NRAR-compliance-approach-metering-regulations-fact-sheet.pdf

Yours sincerely

Natural Resources Access Regulator

Protecting lawful water users and the environment from harmful water activity.

Email: nrar.enquiries@nrar.nsw.gov.au
Phone: 1800 633 362
Website: www.industry.nsw.gov.au/nrar

You can now **provide feedback** (compliments, complaints and suggestions) about

AREQ0024242

Ms Jessica Coffey
IEMA
PO 3161
Merewether NSW 2291

By email: jessica.coffey@iema.com.au

Dear Ms Coffey

Subject: Western Coal Services – Independent Environmental Audit

Thank you for your email dated 14 December 2021 requesting consultation on the independent audit to be undertaken of the Western Coal Services operations which is covered by the following mining leases:

- CCL773 (1973)
- CL361 (1973)
- CL394 (1973)
- ML1319 (1992)
- ML1352 (1992)
- ML1448 (1992)
- ML204 (1906)
- ML564 (1906)
- PLL133 (1906)

The Resources Regulator requires that the following issues be addressed in independent environmental audits undertaken in accordance with a planning consent condition.

- Review relevant mining leases and exploration licences as agreed with Resources Regulator
- Undertake an assessment of compliance against the conditions of title related to environmental management
- Verify that there is a current Mining Operations Plan (MOP) in place and it has been approved by the Regulator – review compliance against any conditions of approval of the MOP
- Undertake a critical review of the MOP, including an assessment of its compatibility with the description of operations contained in the planning approval. In particular:
 - Review the rehabilitation strategy as outlined in the MOP to determine if it is consistent with the Project Approval in terms of progressive rehabilitation schedule; and proposed final land use(s)

NSW Resources Regulator

516 High Street Maitland NSW 2320 | PO Box 344 HRMC NSW 2310 | Tel: 1300 814 609 |
resourcesregulator.nsw.gov.au

- Review the rehabilitation objectives and completion criteria as outlined in the MOP to determine if they have been developed in accordance with the proposed final land use(s) as outlined in the Project Approval
- Review the development and implementation of any rehabilitation monitoring programs to assess performance against the nominated objectives and completion criteria – verified by reviewing monitoring reports and rehabilitation inspection records
- Determine if a rehabilitation care and maintenance program has been developed and implemented based on the outcomes of monitoring program – verified by reviewing Annual Rehabilitation Programs or similar documentation
- Confirm that mining operations are being conducted in accordance with the approved MOP (production, mining sequence etc.), including within the designated MOP approval boundary – to be verified by site plans and site inspection
- Confirm that rehabilitation progress is consistent with the approved MOP as verified by site plans and a site inspection. This should include an evaluation against rehabilitation targets and whether the final landform is being developed in accordance with conceptual final landform in the Project Approval
- Based on a visual inspection, determine if there are any rehabilitation areas that appear to have failed or that have incurred an issue that may result in a delay in achieving the successful rehabilitation outcomes.

In addition to the above, 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

15 December 2021

From: [Greg Kininmonth](#)
To: [Jessica Coffey](#)
Cc: [Paul Drohan](#); [Jenny Ehmsen](#)
Subject: RE: AREQ0024242 | Springvale Coal Services Operation / Western Coal Services | Enquiry (external) | Other Enquiry | 14 Dec 2021 12:13:30
Date: Thursday, 16 December 2021 4:34:16 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image006.png](#)
[image007.png](#)
[image005.jpg](#)

Hi Jessica

Just one very minor change to Jenny's letter (refer email below), the first title mentioned CCL733 not CCL773.

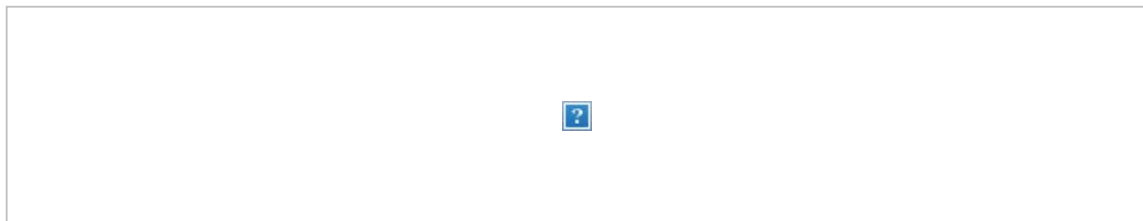
Regards

Greg Kininmonth
Manager Environmental Operations

NSW Resources Regulator | Department of Regional NSW
T 02 4276 7428 | **M** 0429 168 021 | **E** greg.kininmonth@planning.nsw.gov.au
Level 3, Block F | 84 Crown Street | Wollongong NSW 2500
PO Box 674 | Wollongong NSW 2500



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



From: Resources Regulator <nswresourcesregulator@service-now.com>
Sent: Wednesday, 15 December 2021 5:01 PM
To: jessica.coffey@iema.com.au
Cc: Paul Drohan <Paul.Drohan@planning.nsw.gov.au>; Greg Kininmonth <greg.kininmonth@planning.nsw.gov.au>
Subject: AREQ0024242 | Springvale Coal Services Operation / Western Coal Services | Enquiry (external) | Other Enquiry | 14 Dec 2021 12:13:30

Dear Ms Coffey,

Please find attached the Regulator's response to your request for consultation on the independent audit of Western Coal Services.

Regards,

Jenny Ehmsen

Principal Compliance Auditor

MAI - Enforcement | Resources Regulator

T 4063 6443 M 0438 735 010



Department Regional NSW



Please note that Resources Regulator offices will be closed from 12pm Friday 24 December 2021 and will reopen Monday 10 January 2022. During this time, contact with the Regulator will be limited. Critical compliance and enforcement activities will still be undertaken during this period and safety incidents should continue to be reported by calling 1300 814 609 or via the Regulator Portal.

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



Ref:MSG0584049_jexiXwZrneYuBUfHXlQw

From: [Liz Mazzer](#)
To: [Jessica Coffey](#)
Cc: [Samantha Wynn](#)
Subject: RE: Western Coal Services 2021 IEA Consultation - BCD
Date: Friday, 17 December 2021 3:39:59 PM
Attachments: [image004.jpg](#)
[image003.jpg](#)
[image007.png](#)

Hi Jessica

The Biodiversity, Conservation and Science Directorate (BCS) has a particular interest in Schedule 3, conditions 25 to 30

[Condition 25 Biodiversity Offset Strategy.](#)

Centennial Coal's Biodiversity Offset Strategy Western Region (dated 28 February 2019) identified offset lands (Carinya) to satisfy the offset requirements for Western Coal Services. This was to have been secured using a conservation agreement.

BCS would like the audit to address:

1. Whether the offset area for Western Coal Services has been secured
2. What mechanism has been used to secure the offset area?
3. When was the offset area secured?
4. How does the offset area provide suitable habitat for the threatened species listed in condition 28?

[Condition 26 Additional rehabilitation initiatives](#)

- Additional rehabilitation initiatives are outlined in the Mining Operations Plan 1 January 2018 to 31 December 2024.
- Progress towards the additional rehabilitation initiatives should be included in the audit. This should include how the additional rehabilitation initiatives have provided suitable habitat for one or more of the species listed in condition 28.

[Condition 27 Riparian habitat and catchment improvement plan](#)

A riparian habitat and catchment improvement plan has been prepared.

1. Have the management actions in the plan been implemented?
2. There was an intent to apply a positive covenant on the land title under Section 88B of the Conveyancing Act 1919 to secure the area. Has this occurred?

[Condition 29 Biodiversity management plan](#)

The Western Region biodiversity management plan has been prepared. The audit should check:

1. Progress towards performance and completion criteria
2. Whether the plan has been updated every three years

[Condition 30 Conservation bond](#)

- What is the status of the conservation bond?

If you have any questions, please contact me

Regards

Liz

Liz Mazzer
Conservation Planning Officer

Biodiversity, Conservation and Science Directorate | Department of Planning, Industry and Environment

T 02 6883 5325 | **E** liz.mazzer@environment.nsw.gov.au

48 Wingewarra Street Dubbo NSW 2830

PO Box 2111 Dubbo NSW 2830

www.dpie.nsw.gov.au

I work part-time: Tuesday, Wednesday, Thursday and Friday



Our Vision: Together, we create thriving environments, communities and economies.

The Department of Planning, Industry 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: Jessica Coffey <jessica.coffey@iema.com.au>

Sent: Tuesday, 14 December 2021 3:18 PM

To: Samantha Wynn <Samantha.Wynn@environment.nsw.gov.au>; Liz Mazzer <Liz.Mazzer@environment.nsw.gov.au>

Cc: Chris Jones <chris.jones@iema.com.au>

Subject: Western Coal Services 2021 IEA Consultation - BCD

Hi Samantha and Liz,

This email has been prepared seeking feedback into the 2021 Independent Environmental Audit (IEA) for Centennial's Western Coal Services. The IEA will be completed in accordance with Schedule 5 Condition 9 of SSD-5579 (as modified) and will also include the relevant Statement of Commitments, Environment Protection Licences (EPLs) and Mining Leases.

The audit will cover the three year period from November 2018 to November 2021.

The approved audit team (letter attached) was endorsed by the Department of Planning, Industry and Environment (DPIE) on 14 October 2021, and comprises:

- Chris Jones (Principal Environmental Consultant – IEMA) – Lead Auditor;
- Jessica Coffey (Associate Environmental Consultant – IEMA) – Assistant Auditor; and
- Clayton Richards (Rehabilitation Specialist).

The Audit team is seeking feedback regarding activities during the IEA period, as required under the DPIE Audit Guidelines (2015). Please send an email with any feedback you have about the site or any particular aspects that you would like reviewed.

If you would prefer to have your input kept confidential, please call on the number below and the queries will be assessed in the IEA but not attributed to you or your organisation.

Regards,
Jessica

Jessica Coffey
Associate Environmental Consultant



Please note our office will be closed between December 17 – Jan 4

ABN 32 622 237 870
PO Box 3161, MEREWETHER NSW 2291 AUSTRALIA
e: jessica.coffey@iema.com.au
m: 0410 046 712 | w: www.iema.com.au



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Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the NSW Office of Environment, Energy and Science.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

From: [GoldbergBlaise](#)
To: [Jessica Coffey](#)
Cc: [Chris Jones](#); [James Marshall](#)
Subject: Re: Western Coal Services 2021 IEA Consultation - CCC
Date: Monday, 24 January 2022 9:28:16 AM
Attachments: [image001.png](#)
[image002.jpg](#)

Hi Jessica

As today is the last day by when feedback was requested, this email provides final confirmation that nil comments have been received from CCC members.

Regards
Abigail

From: GoldbergBlaise <info@goldbergblaise.com.au>
Date: Monday, 10 January 2022 at 4:30 pm
To: Jessica Coffey <jessica.coffey@iema.com.au>
Cc: Chris Jones <chris.jones@iema.com.au>, James Marshall <James.Marshall@CENTENNIALCOAL.com.au>
Subject: Re: Western Coal Services 2021 IEA Consultation - CCC

Hi Jessica

Best wishes for 2022 and letting you know that I have received nil feedback re the IEA so far from CCC members. I will be in touch should the situation change.

Regards
Abigail

From: Jessica Coffey <jessica.coffey@iema.com.au>
Date: Tuesday, 14 December 2021 at 3:30 pm
To: GoldbergBlaise <info@goldbergblaise.com.au>
Cc: Chris Jones <chris.jones@iema.com.au>
Subject: Western Coal Services 2021 IEA Consultation - CCC

Hi Abigail,

As per our recent correspondence regarding the Lidsdale Independent Environmental Audit (IEA), IEMA is now seeking feedback into the 2021 IEA for Centennial's Western Coal Services site. The IEA will be completed in accordance with Schedule 5 Condition 9 of SSD-5579 (as modified) and will also include the relevant Statement of Commitments, Environment Protection Licences (EPLs) and Mining Leases.

The audit will cover the three year period from November 2018 to November 2021.

The approved audit team (letter attached) was endorsed by the Department of Planning, Industry and Environment (DPIE) on 14 October 2021, and comprises:

- Chris Jones (Principal Environmental Consultant – IEMA) – Lead Auditor;
- Jessica Coffey (Associate Environmental Consultant – IEMA) – Assistant Auditor; and
- Clayton Richards (Rehabilitation Specialist).

The Audit team is seeking feedback from the CCC regarding activities during the IEA period, as required under the DPIE Audit Guidelines (2015). Please send an email with any feedback you or the CCC members have about the site or any particular aspects that you would like reviewed.

If you would prefer to have your input kept confidential, please call on the number below and the queries will be assessed in the IEA but not attributed to you or your organisation.

Regards,
Jessica

Jessica Coffey
Associate Environmental Consultant



Please note our office will be closed between December 17 – Jan 4

ABN 32 622 237 870
PO Box 3161, MEREWETHER NSW 2291 AUSTRALIA
e: jessica.coffey@iema.com.au
m: 0410 046 712 | w: www.iema.com.au



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From: [Jennifer Rowe](#)
To: [Jessica Coffey](#)
Cc: [Chris Jones](#)
Subject: RE: Western Coal Services 2021 IEA Consultation - DPIE
Date: Monday, 20 December 2021 3:19:25 PM
Attachments: [image003.jpg](#)
[image006.jpg](#)
[image002.png](#)

Hi Jessica

I refer to your email below, requesting consultation from the Department Planning Industry and Environment (**Department**) for the Independent Environmental Audit (**IEA**) of Western Coal Project as required under development consent **SSD-5579**, as modified (**Consent**).

The Department provides the following in response to your email:

- The IEA needs to ensure that it audits all Conditions of Consent and that all IEA requirements of Schedule 5, Condition 9 are met.
- The IEA is to be consistent with ISO 19011:2002 – Guidelines for Quality and/or Environmental Systems Auditing, or updated versions of this guideline. However, in preparing the audit the Department would like you to also consider the Independent Audit Post Approval Requirements, dated May 2020, which can be located <https://www.planning.nsw.gov.au/-/media/Files/DPE/Other/Assess-and-regulate/About-Compliance/independent-audit-post-approval-requirements-2020-05-19.pdf>.
- The IEA is to include consultation with relevant agencies, but not limited to the following:
 - EPA - Environment Protection Authority
 - Resource Regulator NSW
 - NRAR - Natural Resources Access Regulator
 - WaterNSW
 - Lithgow City Council
 - CCC - Community Consultative Committee (chair person)
- Given a recent lodgement for a Modification to the consent for some changes to the Water management system, it would be appreciated if you could focus on compliance with their water management plan.

If you have any questions then please contact me on the information below.

Kind regards,

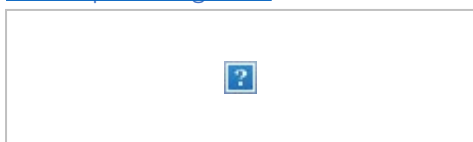
Jennifer Rowe
Senior Compliance Officer

Compliance | Department of Planning, Industry and Environment

T 02 4247 1851 | **M** 0488 988 641 | **E** jennifer.rowe@planning.nsw.gov.au

PO Box 5475 | Level 2/84 Crown Street Wollongong, NSW 2500

www.dpie.nsw.gov.au



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

Aboriginal people are included socially, culturally and economically.

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

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

From: Jessica Coffey <jessica.coffey@iema.com.au>

Sent: Tuesday, 14 December 2021 3:34 PM

To: Jennifer Rowe <Jennifer.Rowe@planning.nsw.gov.au>

Cc: Chris Jones <chris.jones@iema.com.au>

Subject: Western Coal Services 2021 IEA Consultation - DPIE

Hi Jennifer,

This email has been prepared seeking DPIE feedback into the 2021 Independent Environmental Audit (IEA) for Centennial's Western Coal Services. The IEA will be completed in accordance with Schedule 5 Condition 9 of SSD-5579 (as modified) and will also include the relevant Statement of Commitments, Environment Protection Licences (EPLs) and Mining Leases.

The audit will cover the three year period from November 2018 to November 2021.

The approved audit team (letter attached) was endorsed by the Department of Planning, Industry and Environment (DPIE) on 14 October 2021, and comprises:

- Chris Jones (Principal Environmental Consultant – IEMA) – Lead Auditor;
- Jessica Coffey (Associate Environmental Consultant – IEMA) – Assistant Auditor; and
- Clayton Richards (Rehabilitation Specialist).

The Audit team is seeking feedback regarding activities during the IEA period, as required under the DPIE Audit Guidelines (2015). Please send an email with any feedback you have about the site or any particular aspects that you would like reviewed.

If you would prefer to have your input kept confidential, please call on the number below and the queries will be assessed in the IEA but not attributed to you or your organisation.

Regards,
Jessica

Jessica Coffey
Associate Environmental Consultant



Please note our office will be closed between December 17 – Jan 4

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e: jessica.coffey@iema.com.au
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From: [Ravi Sundaram](#)
To: [Jessica Coffey](#)
Cc: [Chris Jones](#); [Daryl Gilchrist](#); [Girja Sharma](#); [Juri Jung](#)
Subject: RE: Western Coal Services 2021 IEA Consultation - WaterNSW
Date: Wednesday, 22 December 2021 12:57:12 PM
Attachments: [image004.jpg](#)
[image003.png](#)
[image002.png](#)

Hi Jessica

Thank you for seeking WaterNSW's advice with regards to the Independent Environmental Audit for Centennial Coal Western Coal Services (WCS) site that is located within the Upper Cocks River catchment which is within the Declared Catchments (i.e. the Sydney Drinking Water Catchment) . It is important that the site has a Neutral or Beneficial Effect (NorBE) on receiving water quality as per the Sydney Drinking Water State Environmental Planning Policy.

WaterNSW therefore requests that the IEA specifically look into water management at the site to ensure management measures detailed in the Water Management Plan required under development consent condition 24 are adequately addressed and that NorBE has been met during the audit period.

WaterNSW also requests that the IEA look into the interaction of the WCS site with the Centennial Springvale and Angus Place development approvals and the Springvale Mine Water Treatment Plant (WTP) located at Energy Australia Mount Piper Power Station (MPPS).

WaterNSW requests that the IEA look into:

- Any requirements relating to mine water transfer, treatment, management and reuse in Springvale, Angus Place and WTP approvals.
- The disposal of residuals from the pre-treatment process in the reject emplacement area (REA) from the Springvale WTP site at the WCS site.

Please contact me if you wish to discuss.

Best wishes for the festive season and a wonderful 2022.

Regards

Ravi

Ravi Sundaram
Mining Catchment Specialist



PO Box 398, Parramatta NSW 2124
Level 14, 169 Macquarie Street
Parramatta NSW 2150
T: 02 9865 2507
M.: 0428 226 152/ 0451 510 194

ravi.sundaram@waternsw.com.au
www.waternsw.com.au

Note: Please contact me by email or on my mobile until further notice as I may be working remotely.

From: Jessica Coffey <jessica.coffey@iema.com.au>
Sent: Tuesday, 14 December 2021 3:27 PM
To: Ravi Sundaram <ravi.sundaram@waternsw.com.au>; Juri Jung <Juri.Jung@waternsw.com.au>
Cc: Chris Jones <chris.jones@iema.com.au>
Subject: Western Coal Services 2021 IEA Consultation - WaterNSW

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Hi Ravi and Juri,

This email has been prepared seeking feedback into the 2021 Independent Environmental Audit (IEA) for Centennial's Western Coal Services site. The IEA will be completed in accordance with Schedule 5 Condition 9 of SSD-5579 (as modified) and will also include the relevant Statement of Commitments, Environment Protection Licences (EPLs) and Mining Leases.

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Regards,
Jessica

Jessica Coffey
Associate Environmental Consultant



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PO Box 3161, MEREWETHER NSW 2291 AUSTRALIA

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