



**NSW  
Resources  
Regulator**

**ARR0001245**

# **TAHMOOR COLLIERY ANNUAL REHABILITATION REPORT**

**Sunday 1 January 2023 to Sunday 31 December 2023**

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## Summary table

DETAIL	
Mine	Tahmoor Colliery
Reference	ARR0001245
Annual report period commencement date	Sunday 1 January 2023
Annual report period end date	Sunday 31 December 2023
Forward program	
Mining leases	ML 1539 (1992), CCL 747 (1973), ML 1308 (1992), ML 1642 (1992), ML 1376 (1992), CCL 716 (1973)
Lease holder(s)	BARGO COLLIERIES PTY LTD, Tahmoor Coal Pty Ltd
Contact	Zina Ainsworth
Date of submission	Wednesday 27 March 2024

## Important

The department may make the information in your report and any supporting information available for inspection by members of the public, including by publication on its website or by displaying the information at any of its offices. If you consider any part of your report to be confidential, please communicate this to the department via the message function on this submission within the NSW Resources Regulator Portal.

## Mine details

### Project description

Tahmoor Coal Pty Ltd (Tahmoor Coal) owns and operates Tahmoor Mine, an underground coal mine extracting coking coal which is an ingredient in the production of steel manufacturing. An Environmental Impact Statement (EIS) was exhibited in early 2019 seeking approval for the extraction of up to 48 million tonnes (Mt) of ROM coal over a 13-year mine life. Tahmoor Coal subsequently revised the proposed mine design and submitted amended development applications on two occasions (in February and August 2020). In April 2021, Tahmoor Coal received Development Consent SSD 8445 (the Consent) for the Tahmoor South Project, which involves use of the existing surface infrastructure and the extension of underground longwall mining to the south of existing workings. The Project has consent to extract up to 4 Mtpa of ROM coal, with a total of up to 33 Mt of ROM coal extracted over a 10-year period until 31 December 2033.

### Life of mine

9 years

### Current development consents, leases and licences

#### Development consents granted under the *Environmental Planning and Assessment Act 1979*

SSD8445  
DA1975

#### Authorisations covering the mining area granted under the *Mining Act 1992*

ML 1539 (1992), CCL 747 (1973), ML 1308 (1992), ML 1642 (1992), ML 1376 (1992), CCL 716 (1973)

#### Any other approvals, licences, or authorities issued by government agencies that are relevant to the progress of mining operation and rehabilitation activities

EPBC Approval 21017/8084  
SWC839757  
Water Access License 43572  
XSTR200005 License to store explosives  
Environment Protection License 1389  
Water Access License 43656  
Water Access License 36442  
Water Access License 44608

Water Access License 25777  
Water Access License (Leased) SWC839757

**Summary of the scope and/or purpose of the new applications or modifications to existing approvals (if applicable)**

SSD8445: Modification 2: Underground brine disposal and transfer of mine water.

## Changes to land ownership and land use

No changes to land ownership has occurred during the reporting period.

# Surface disturbance and rehabilitation activities during the reporting period

## Surface disturbance and rehabilitation activities that were conducted and an analysis of the progress against the rehabilitation schedule

Surface disturbance was conducted on the centre top section of the REA to allow more area for Refuse drying and emplacement. Rehabilitation activities were completed on the Eastern batter of the REA, with the construction of a drainage network and the emplacement of brushwork from previously stockpiled logs. The soil was ripped to a depth of 20cm with fertiliser scattered with native seed and sterile pasture seed for soil stabilisation. Creek rehabilitation works were conducted on the rockbar and banks of pools 37 and 36 on Redbank Creek.

## Rehabilitation planning activities that were conducted, including any specialist studies

No specialist activities were undertaken during the reporting period.

## Overview of subsidence repair and/or remediation works undertaken

Historic subsidence impacted creek systems continue to undergo remediation in Redbank and Myrtle Creek. In Redbank Creek, Pools 36 and 37 remediation works were completed in July 2023. For further information on Tahmoor Coal's Creek remediation works please see link to our website.

## Overview of rehabilitation management and maintenance activities

Continued weed maintenance spraying continues on a monthly basis at the REA (including rehabilitation areas) and appears to be effective in managing weed suppression across site. A monthly Environmental Inspection is conducted to identify weed issues and implement additional focus areas for weed management practices as needed.

## Details of any rehabilitation actions taken as required by any letters, notices or directions issued by government agencies, including the NSW Resources Regulator

No rehabilitation actions were required by any government agencies during the reporting period.

**Details of any rehabilitation areas that have achieved the final land use**

No new rehabilitation areas have achieved the final land use during the reporting period.

**Key production milestones**

<b>MATERIAL</b>	<b>UNIT</b>	<b>YEAR 1</b>	<b>THIS REPORT</b>
<b>Stripped topsoil</b> <small>(if applicable)</small>	(m <sup>3</sup> )	0	15,300
<b>Rock/overburden</b>	(m <sup>3</sup> )	0	0
<b>Ore</b>	(Mt)	0	2,733,692
<b>Reject material<sup>1</sup></b>	(Mt)	0	1,289,628
<b>Product</b>	(Mt)	0	1,672,504

<sup>1</sup> This includes coarse rejects, tailings and any other wastes resulting from beneficiation.

## Disturbance and rehabilitation statistics

### Current disturbance and rehabilitation progression

ELEMENT	UNIT	THIS REPORT
<b>A Total surface disturbance footprint</b>	(ha)	151.13
<b>B Total active disturbance</b>	(ha)	151.13
<b>C Land prepared for rehabilitation</b>	(ha)	0
<b>D Ecosystem and land use establishment</b>	(ha)	0
<b>E Ecosystem and land use development</b>	(ha)	0
<b>F Rehabilitation completion</b>	(ha)	0

### Rehabilitation key performance indicators (KPIs)

ELEMENT	UNIT	THIS REPORT
<b>G Total new active disturbance area</b>	(ha)	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
<b>H New rehabilitation commenced during annual reporting period</b>	(ha)	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
<b>I Established rehabilitation</b>	(ha)	0
<b>J Annual rehabilitation to disturbance ratio</b>	%	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
<b>K Rehabilitated land to total mine footprint</b>	%	0



## Progressive achievement of established rehabilitation

ELEMENT	UNIT	THIS REPORT
L Established rehabilitation - agricultural final land uses	%	0
M Established rehabilitation - native ecosystem final land uses	%	0
N Established rehabilitation - other/non-vegetated final land uses	%	0

## Variation to the rehabilitation schedule

Identify the components of the most recent forward program that were not achieved

N/A

Key factors that delayed progressive rehabilitation

N/A

Outline actions that will be included in the forward program and carried out to minimise disturbance and undertake progressive rehabilitation as far as reasonably practical

N/A

# Rehabilitation monitoring and research findings

## Rehabilitation monitoring

### The rehabilitation monitoring carried out in the annual reporting period

During the reporting period, rehabilitation monitoring was undertaken by Eco Logical Australia Pty Ltd (ELA) in accordance with the Tahmoor Coal Rehabilitation Management Plan (TAHHSEC- 00402), Rehabilitation Strategy (TAH-HSEC-00401) and Rehabilitation Monitoring Procedure (TAH-HSEC-00012) which require an annual walkover inspection of all areas within the Refuse Emplacement Area (REA) where rehabilitation activities are being completed progressively, and include the monitoring of permanent monitoring sites within each development stage of the REA to assess revegetation progress. Overall, native vegetation cover has remained stable over the past 12 months, though a slight decrease in native understorey cover and diversity was observed across the REA. The moderate rainfall received has supported the growth of seedlings and saplings of second-generation Eucalyptus species, and Allocasuarina littoralis across the REA. However, understorey species including shrubs, grasses, sedges and forbs have generally become sparse across the REA and native species diversity has shown a slight decrease overall. Similar changes to vegetation structure and diversity were observed in permanent Reference plots. There was little change observed in erosion points throughout the REA.

## Status of performance against rehabilitation objectives and rehabilitation completion criteria

### The monitoring program that has been implemented

During the reporting period, progressive rehabilitation was undertaken on a section of emplacement area that had reached its final landform profile in accordance with our REA Management Plan, Rehabilitation Management Plan and Rehabilitation Strategy. Please see above for Annual Rehabilitation Monitoring progress, this monitoring of rehabilitation progress is undertaken each year. Current active emplacement areas are surveyed each month to track the progressing landform against the Final landform design.

**Are all rehabilitation areas in Landform Establishment phase or higher represented in the monitoring program to assess performance against the rehabilitation objectives and approved or, if not yet approved rehabilitation completion criteria and final landform and rehabilitation plan?**

Yes

**Year rehabilitation areas will be included as part of the monitoring program**

**An appraisal of whether rehabilitation is moving towards achieving the proposed rehabilitation objectives, approved or, if not yet approved, rehabilitation completion criteria and final landform and rehabilitation plan as soon as reasonably practicable.**

As detailed in the 2023 Annual Rehabilitation Walkover, Ecological stated the following for the REA Rehabilitation stages: " Overall, native vegetation cover has remained stable over the past 12 months, though a slight decrease in native understorey cover and diversity was observed across the REA. Stages 1 &2: The vegetation is progressing towards self-sustaining native vegetation. Some clearing of non-local native plants has been undertaken since 2022, however some individuals remain and will require ongoing maintenance. Maintenance activities, primarily targeted weed control during peak growth periods, are still required within these stages. Stages 3, 4 &5: The vegetation within these rehabilitation areas is progressing towards self-sustaining native vegetation, though native species cover declined between 2022 and 2023. Continued maintenance weed control and management of patches with limited vegetation are still required to satisfy this requirement. Stages 6&9: The vegetation within these two stages is slowly progressing towards self-sustaining native vegetation with the presence of limited 2nd generation plants and colonisation from neighbouring bushland. Stage 12A: Soil development progressing with nutrient cycling and increased litter cover. Stages 14 and 16: Moderate decrease in native species diversity and in midstorey cover, Native grass cover is low overall and significant increase in weed cover which needs to be controlled."

**Appraisal description**

Rehabilitation is moving towards achieving the final land use as soon as reasonably practicable.

**Rehabilitation monitoring program findings**

Erosion control structures remain in good condition and no major erosion was recorded along the slopes of the REA. Monitoring of grass trials was undertaken as part of the 2023 works. The fencing around most of the grass trials has been damaged by Kangaroos. A quantitative analysis of grass trials had showed average regeneration rates of eucalyptspecies and Allocasuarina littoralispecies. Other shrub and grass species were also prevalent despite some evidence of minor grazing activity. Previously, this was evident within Stages 1, 2 and 3, however grass growth rates were also observed within Stages 4 and Stages 14 and 16. The reference plots and permanent monitoring plots which were burnt by fire in 2019 have recovered well and have a diversity and abundance of species similar to those species within the REA. There is continued evidence of nutrient recycling with termite mounds, ants and scats noted in those burnt plots. Litter cover has stabilised in these plots with grass, leaf litter and twigs recorded in all plots. Overall, weed cover significantly decreased across all monitoring plots when compared with 2022 results. This may be attributed to the warmer, dryer weather conditions in addition to weed management practices.

**Performance issues and their causes including identification of any knowledge gaps that must be addressed**

Nil

## Outcomes of rehabilitation research and trials

RRT NUMBER	PROJECT/TRIAL NAME	OBJECTIVE OF TRIAL/PROJECT	METHODOLOGY	EXPECTED DATE OF COMPLETION	STATUS	ON TRACK?
RRT000105 1	Creek Remediation	The remediation works have been carried at impacted sites in Myrtle Creek and Redbank Creek with the aim to restore post-mining hydrological, ecological and aesthetic characteristics.	Involves the construction of a grout curtain wall at a depth where the fracture network has been detected. Boreholes are drilled across the creek bed, polyurethane grout (PUR) is then injected into the boreholes to create an impermeable layer providing a barrier for subsurface stream flow, with the objective to reduce subsurface flow pathways promoting surface flow and pool holding capacity.	31 Dec 2024	Ongoing	Yes
RRT000105 2	Grass Trials	The findings will be used to develop and refine seed mixes and completion criteria as an ongoing process.	Grass planting trials where the survival and growth of planted grass species in areas where the existing vegetation (within revegetation areas) was sparse will continue to be assessed as part of the annual rehabilitation monitoring program.	31 Dec 2033	Ongoing	Yes

**Outcomes of completed trials and research**

N/A

## Attachment 1 – Reporting Definitions

REPORTING CATEGORY	DEFINITION
<p><b>A1</b> Total disturbance footprint – surface disturbance</p>	<p>All areas within a mining lease that either have at some point in time or continue to pose a rehabilitation liability due to surface disturbance activities.</p> <p>The total disturbance footprint is the sum of the total active disturbance, decommissioning, landform establishment, growth medium development, ecosystem and land use establishment, ecosystem and land use development and rehabilitation completion (see definitions below).</p> <p>Underground mining operations should not include the footprint of underground mining areas/subsidence management areas in the total disturbance footprint.</p>
<p><b>A2</b> Underground Mining Area</p>	<p>Underground mining operations areas/subsidence management areas.</p>
<p><b>B</b> Total active disturbance</p>	<p>Includes on-lease exploration areas, stripped areas ahead of mining, infrastructure areas, water management infrastructure, sewage treatment facilities, topsoil stockpile areas, access tracks and haul roads, active mining areas, waste rock emplacements (active/unshaped/in or out-of-pit), tailings dams (active/unshaped/uncapped) and temporary stabilised areas (e.g. areas sown with temporary cover crops for dust mitigation and temporary rehabilitation).</p>
<p><b>C</b> Rehabilitation – land preparation</p>	<p>Includes the sum of all disturbed land within a mining lease that have commenced any, or all, of the following phases of rehabilitation – decommissioning, landform establishment and growth medium development.</p> <p>Refer to the glossary of terms in this document for the definition of these phases of rehabilitation.</p>

REPORTING CATEGORY	DEFINITION
D Ecosystem and land use establishment	<p>Includes the area which has been seeded/planted with the target vegetation species for the intended final land use. However, vegetation has not matured to a stage where it can be demonstrated that it will be sustainable for the long term and or require only a maintenance regime consistent with target reference/analogue sites.</p> <p>Typically, rehabilitation areas would be in this phase for at least two years (and usually more) before rehabilitation can be classified as being in the ecosystem and land use development phase. This phase does not apply to infrastructure areas that are being retained as part of final land use for the site.</p>
E Ecosystem and Land Use Development	<p>Rehabilitation has matured to a level where target revegetation outcomes are on a trajectory towards meeting the final rehabilitation objectives and rehabilitation completion criteria (as verified by monitoring).</p> <p>This phase includes infrastructure areas that are to be retained for an approved post mining land use, following completion of all necessary measures to render the infrastructure fit for this purpose (for example structural integrity).</p>
F Rehabilitation Completion	<p>The NSW Resources Regulator has determined in writing that the mining area has achieved the approved rehabilitation objectives and approved rehabilitation completion criteria and final landform and rehabilitation plan following the submission of <i>Form: ESF2 Rehabilitation completion and/or review of rehabilitation cost estimate and/or notification of mine or petroleum site closure</i>.</p>
G New active disturbance area	<p>The area of any new active disturbance that has been created during the annual reporting period (definition A1 in Table 5).</p>
H New rehabilitation commenced during annual reporting period	<p>The sum of any new rehabilitation commenced in the annual reporting period. These areas may be in the rehabilitation land preparation phase or the ecosystem &amp; land use establishment phase (definitions C and D in Table 5).</p>
I Established rehabilitation (hectares)	<p>The total area of land that is verified to be within either the ecosystem and land use development phase or the rehabilitation completion phase (definitions E &amp; F in Table 5).</p>



REPORTING CATEGORY		DEFINITION
<b>J</b>	Annual rehabilitation to disturbance ratio	The rehabilitation to disturbance ratio (H/G) indicates how many hectares of new rehabilitation are undertaken for each hectare of land disturbed during the year. A ratio of 1/1 indicates that the area of new rehabilitation and disturbance in that year are the same.
<b>K</b>	% Rehabilitated land to total mine footprint	The proportion of the total mine footprint (area of land that has been disturbed by past or present surface disturbance activities) that has established rehabilitation ( $I/A1 \times 100$ ). For open cut mining, the proportion of the total mine footprint verified to be “established rehabilitation” should substantially increase as an operation progresses towards mine closure.
<b>L</b>	Established rehabilitation for agricultural final land uses (hectares)	The percentage of total area of land that is verified to be within either the ecosystem and land use development phase or the rehabilitation completion phase (definitions E & F in Table 5) that have been returned to an agricultural final land use.
<b>M</b>	Established rehabilitation for native ecosystem final land uses (hectares)	The percentage of total area of land that is verified to be within either the ecosystem and land use development phase or rehabilitation completion phase (definitions E & F in Table 5) that have been returned to native ecosystem final land use.
<b>N</b>	Established rehabilitation for other/non-vegetated final land uses (hectares)	The percentage of total area of land that is verified to be within either the ecosystem and land use development phase or the rehabilitation completion phase (definitions E & F in Table 5) that have been returned to other/non-vegetated final land use.

## Attachment 2 – Definitions

WORD	DEFINITION
<b>Active</b>	In the context of rehabilitation, land associated with mining domains is considered ‘active’ for the period following disturbance until the commencement of rehabilitation.
<b>Active mining phase of rehabilitation</b>	In the context of rehabilitation, the active mining phase of rehabilitation constitutes the rehabilitation activities undertaken during mining operations such as salvaging and managing soil resources, salvaging habitat resources, and native seed collection. This phase also includes management actions taken during operations to manage risks to rehabilitation and enhance rehabilitation outcomes such as selective handling of waste rock and management of tailings emplacements.
<b>Analogue site</b>	In the context of rehabilitation, an analogue site is a ‘reference site’ that represents an example of the defining characteristics (such as vegetation composition and structure or agricultural productivity) of the final land use. Characteristics of analogue sites can be assessed to develop the rehabilitation objectives and completion criteria for final land use domains.
<b>Annual rehabilitation report and forward program</b>	As described in the Mining Regulation 2016.
<b>Annual reporting period</b>	As defined in the Mining Regulation 2016.
<b>Closure</b>	A whole-of-mine-life process, which typically culminates in the relinquishment of the mining lease. It includes decommissioning and rehabilitation to achieve the approved final land use(s).
<b>Decommissioning</b>	The process of removing mining infrastructure and removing contaminants and hazardous materials.
<b>Decommissioning Phase of Rehabilitation</b>	Activities associated with the removal of mining infrastructure and removal and/or remediation of contaminants and hazardous materials. In the context of the rehabilitation management plan this phase of rehabilitation may also include studies and assessments associated with decommissioning and demolition of infrastructure or works carried out to make safe or ‘fit for purpose’ built infrastructure to be retained for future use(s) following lease relinquishment.

<b>WORD</b>	<b>DEFINITION</b>
<b>Department</b>	The Department of Regional NSW.
<b>Disturbance</b>	See Surface Disturbance.
<b>Disturbance area</b>	<p>An area that has been disturbed and that requires rehabilitation.</p> <p>This may include areas such as on-licence exploration areas, stripped areas ahead of mining, infrastructure areas, water management infrastructure, sewage treatment facilities, topsoil stockpile areas, access tracks and haul roads, active mining areas, waste emplacements (active/unshaped/in or out-of-pit), tailings dams (active/unshaped/uncapped), and areas requiring rehabilitation that are temporarily stabilised (i.e. managed to minimise dust generation and/or erosion).</p>
<b>Domain</b>	<p>An area (or areas) of the land that has been disturbed by mining and has a specific operational use (mining domain) or specific final land use (final land use domain). Land within a domain typically has similar geochemical and/or geophysical characteristics and therefore requires specific rehabilitation activities to achieve the associated final land use.</p>
<b>Ecosystem and Land Use Development</b>	<p>This phase of rehabilitation consists of the activities to manage maturing rehabilitation areas on a trajectory to achieving the approved rehabilitation objectives and completion criteria.</p> <p>For vegetated land uses this phase may include processes to develop characteristics of functional self-sustaining ecosystems, such as nutrient recycling, vegetation flowering and reproduction, and increasing habitat complexity, and development of a productive, self-sustaining soil profile.</p> <p>This phase of rehabilitation may include specific vegetation management strategies and maintenance such as tree thinning, supplementary plantings and weed management.</p>
<b>Ecosystem and Land Use Establishment</b>	<p>This phase of rehabilitation consists of the processes to establish the approved final land use following construction of the final landform.</p> <p>For vegetated land uses this rehabilitation phase includes establishing the desired vegetation community and implementing land management activities such as weed control. This phase of rehabilitation may also include habitat augmentation such as installation of nest boxes.</p>
<b>Exploration</b>	Has the same meaning as that term under the State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

<b>WORD</b>	<b>DEFINITION</b>
<b>Final landform and rehabilitation plan</b>	As defined in the Mining Regulation 2016.
<b>Final land use</b>	As defined in the Mining Regulation 2016.
<b>Form and way</b>	Means the form and way approved by the Secretary. Approved form and way documents are available on the Department’s website.
<b>Growth Medium Development</b>	<p>This phase of rehabilitation consists of activities required to establish the physical, chemical and biological components of the substrate required to establish the desired vegetation community (including short lived pioneer species).</p> <p>This phase may include spreading the prepared landform with topsoil and/or subsoil and/or soil substitutes, applying soil ameliorants to enhance the physical, chemical and biological characteristics of the growth media, and actions to minimise loss of growth media due to erosion.</p>
<b>Habitat</b>	Has the same meaning as that term under the <i>Biodiversity Conservation Act 2016</i> and the <i>Fisheries Management Act 1994</i> (as relevant).
<b>Indicator</b>	An attribute of the biophysical environment (e.g. pH, topsoil depth, biomass) that can be used to approximate the progression of a biophysical process. It can be measured and audited to demonstrate (and track) the progress of an aspect of rehabilitation towards a desired completion criterion (i.e. defined end point). It may be aligned to an established protocol and used to evaluate changes in a system.
<b>Land</b>	As defined in the <i>Mining Act 1992</i> .
<b>Landform Establishment</b>	<p>This phase of rehabilitation consists of the processes and activities required to construct the final landform.</p> <p>In addition to profiling the surface of rehabilitation areas to the approved final landform profile this phase may include works to construct surface water drainage features, encapsulate problematic materials such as tailings, and prepare a substrate with the desired physical and chemical characteristics (e.g. rock raking or ameliorating sodic materials).</p>
<b>Large mine</b>	As defined in the Mining Regulation 2016.
<b>Lease holder</b>	The holder of a mining lease.

<b>WORD</b>	<b>DEFINITION</b>
<b>Life of mine</b>	The timeframe of how long a mine is approved to mine, from commencement to closure.
<b>Mine rehabilitation portal</b>	<p>Means the NSW Resources Regulator’s online portal that lease holders must use (via a registered account) to:</p> <ul style="list-style-type: none"> <li>■ upload rehabilitation geographical information system (GIS) spatial data</li> <li>■ develop rehabilitation GIS spatial data (using online tracing functions)</li> <li>■ generate rehabilitation plans and rehabilitation statistics using the map viewer and Rehabilitation Key Performance Indicator functionalities.</li> </ul> <p>Data submitted to the mine rehabilitation portal is collated in a centralised geodatabase for use by the NSW Resources Regulator to regulate rehabilitation performance of lease holders.</p>
<b>Mining area</b>	As defined in the <i>Mining Act 1992</i> .
<b>Mining domain</b>	A land management unit with a discrete operational function (e.g. overburden emplacement), and therefore similar geophysical characteristics, that will require specific rehabilitation treatments to achieve the final land use(s).
<b>Mining land</b>	As defined in the <i>Mining Act 1992</i> .
<b>Native vegetation</b>	Has the same meaning as that term under section 60B of the <i>Local Land Services Act 2013</i> .
<b>Overburden</b>	Material overlying coal or a mineral deposit.
<b>Performance indicator</b>	An attribute of the biophysical environment (for example pH, slope, topsoil depth, biomass) that can be used to demonstrate achievement of a rehabilitation objective. It can be measured and audited to demonstrate (and track) the progress of an aspect of rehabilitation towards a desired completion criterion, that is, a defined end point. It may be aligned to an established protocol and used to evaluate changes in a system.

<b>WORD</b>	<b>DEFINITION</b>
<b>Phases of rehabilitation</b>	<p>The stages and sequences of actions required to rehabilitate disturbed land to achieve the final land use. The phases of rehabilitation are:</p> <ul style="list-style-type: none"> <li>■ active mining</li> <li>■ decommissioning</li> <li>■ landform Establishment</li> <li>■ growth medium development</li> <li>■ ecosystem and land use establishment</li> <li>■ ecosystem and land use development.</li> </ul>
<b>Progressive rehabilitation</b>	<p>The progress of rehabilitation towards achieving the approved rehabilitation completion criteria. This may be described in terms of domains, phases, performance indicators and rehabilitation completion criteria.</p>
<b>Rehabilitation Completion</b>	<p>The final phase of rehabilitation when a rehabilitation area has achieved the approved rehabilitation objectives and rehabilitation completion criteria for the final land use. Rehabilitation areas may be classified as complete when the NSW Resources Regulator has determined in writing that the relevant rehabilitation obligations have been fulfilled following submission of <i>Form ESF2 Rehabilitation completion and/or review of rehabilitation cost estimate</i> application by the lease holder.</p>
<b>Rehabilitation Completion criteria</b>	<p>As defined in the Mining Regulation 2016.</p>
<b>Rehabilitation cost estimate</b>	<p>As defined in the Mining Regulation 2016.</p>
<b>Rehabilitation management plan</b>	<p>As defined in the Mining Regulation 2016.</p>
<b>Rehabilitation objectives</b>	<p>As defined in the Mining Regulation 2016.</p>
<b>Rehabilitation risk assessment</b>	<p>As defined in the Mining Regulation 2016.</p>
<b>Rehabilitation schedule</b>	<p>The defined timeframes for progressive rehabilitation set out in the forward program.</p>

WORD	DEFINITION
<b>Relevant stakeholders</b>	<p>Means any persons or bodies who may be affected by the mining operations, including rehabilitation, carried out on the lease land, and includes:</p> <ul style="list-style-type: none"> <li>■ the relevant development consent authority</li> <li>■ the local council</li> <li>■ the relevant landholder(s)</li> <li>■ community consultative committee (if required under the development consent) or equivalent consultative group</li> <li>■ affected land holder(s)</li> <li>■ government agencies relevant to the final land use</li> <li>■ affected infrastructure authorities (electricity, telecommunications, water, pipeline, road, rail authorities)</li> <li>■ local Aboriginal communities, and</li> <li>■ any other person or body determined by the Minister to be a relevant stakeholder in relation to a mining lease.</li> </ul>
<b>Risk</b>	The effect of uncertainty on objectives. It is measured in terms of consequences and likelihood (AS/NZS ISO 31000:2009).
<b>Secretary</b>	The Secretary of the Department.
<b>Security deposit</b>	An amount that a mining lease holder is required to provide and maintain under a mining lease condition, to secure funding for the fulfilment of obligations under the lease (including obligations that may arise in the future).
<b>Surface disturbance</b>	Includes activities that disturb the surface of the mining area, including mining operations, ancillary mining activities and exploration.
<b>Tailings</b>	A combination of the fine-grained solid material remaining after the recoverable metals and minerals have been extracted from the mined ore, and any process water <sup>2</sup> .
<b>Waste</b>	Has the same meaning as that term under the <i>Protection of the Environment Operations Act 1997</i> .

<sup>2</sup> Commonwealth of Australia (DITR), 2007. *Tailings Management*.

## Attachment 3 – Rehabilitation Complaints

DATE	COMPLAINANT	COMPLAINT DETAILS	RESPONSE DETAILS	STATUS OF RESPONSE	DATE RESPONSE COMPLETED (IF APPLICABLE)
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## Attachment 4 – Stakeholder consultation

DATE	STAKEHOLDER	CONSULTATION ACTIVITIES AND FORMS	MATTERS SUBJECT TO CONSULTATION	ACTIONS TAKEN
24 Aug 2023	Landholders	A Works notification letter sent to residents in the vicinity of Rehabilitation works at Pool 18 and Pool 14 in Myrtle Creek.	Commencement and location of the additional rehabilitation works at Pool 18 and 14 in Myrtle Creek.	No issues raised.

## Attachment 5 – Plans

Plan 1A attachment not provided.

Plan 1B attachment not provided.

Annual Report (LARGE MINE) v1.6