



**NSW
Resources
Regulator**

ARR0001328

CHAIN VALLEY COLLIERY ANNUAL REHABILITATION REPORT

Friday 7 July 2023 to Saturday 6 July 2024



Summary table

DETAIL	
Mine	Chain Valley Colliery
Reference	ARR0001328
Annual report period commencement date	Friday 7 July 2023
Annual report period end date	Saturday 6 July 2024
Forward program	FWP0001231
Mining leases	CCL 706 (1973), MPL 1389 (1906), ML 1784 (1992), MPL 1349 (1906), ML 1308 (1906), ML 1782 (1992), MPL 1400 (1906), ML 1051 (1906), ML 1052 (1906), CCL 707 (1973), ML 1785 (1992), MPL 337 (1973), ML 1783 (1992), ML 1781 (1992)
Lease holder(s)	Great Southern Energy Pty Ltd
Contact	Lachlan Peter McWha
Date of submission	Thursday 5 September 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

Great Southern Energy Pty Ltd (T/A Delta Coal) owns and operates Chain Valley Colliery (CVC) and Mannering Colliery (MC), two underground coal mine located on the southern end of Lake Macquarie approximately 60 km south of Newcastle, 80 km north of Sydney and adjacent to Vales Point Power Station (VPPS). Mannering Colliery reports under the Chain Valley Colliery lease holding, however operates under a separate Project Approval. Current mining activities are within the Fassifern Seam. All mining undertaken in the reporting period was first-workings bord and pillar methods at CVC only, with the coal being transported underground to MC where the coal is sized and screened and sent directly to VPPS. Delta Coal has approval to operate the two mines until 31 December 2027, however is seeking an extension to the approved operating period to 31 December 2029.

Life of mine

5 years

Current development consents, leases and licences

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

PA MP06-0311 (MOD5)
PA MP06-0311 (MOD5)
DC SSD5465 (MOD4)
DC SSD5465 (MOD4)
PA MP06-0311 (MOD5)
DC SSD5465 (MOD4)
DC SSD5465 (MOD4)
PA MP06-0311 (MOD5)
PA MP06-0311 (MOD5)
DC SSD5465 (MOD4)
DC SSD5465 (MOD4)
PA MP06-0311 (MOD5)
PA MP06-0311 (MOD5)
DC SSD5465 (MOD4)
DC SSD5465 (MOD4)

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

CCL 706 (1973), MPL 1389 (1906), ML 1784 (1992), MPL 1349 (1906), ML 1308 (1906), ML 1782 (1992), MPL 1400 (1906), ML 1051 (1906), ML 1052 (1906), CCL 707 (1973), ML 1785 (1992), MPL 337 (1973), ML 1783 (1992), ML 1781 (1992)

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

EPL 191
EPL 1770
WAL 40461
WAL 41508

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

In 2022 Delta Coal submitted an Environmental Impact Statement with an application to issue a new approval under the EP&A Act 1979 consolidating the existing approvals for CVC and MC into a single approval. The primary variations in the approval being sought when compared to the existing approvals for CVC and MC are:

- to extend the life of mine to 31 December 2029;
- to permit secondary extraction within portions of the existing Mannering Colliery project approval boundary; and
- to consolidate the permitted extraction limit for CVC (2.1 Mtpa) and MC (1.1 Mtpa) to a combined 2.8 Mtpa limit.

Approval of this project was not yet granted within the reporting period.

Changes to land ownership and land use

Nil changes.

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

During the reporting period, no surface disturbance activities were undertaken and in-turn, there is no additional surface disturbance areas to report. There are two ongoing active rehabilitation areas within the Chain Valley Colliery Holdings in differing stages of rehabilitation:

1. Chain Valley Colliery Former Mine Cottages - This area comprises 0.79 Ha with seeding and ameliorant application undertaken in 2020, the rehabilitation area is currently in the ecosystem land use and sustainability phase. In the previous reporting period third-party rehabilitation monitoring determined that the area had met the criteria for a ecosystem and land use establishment phase and progressed to an ecosystem and land use sustainability phase. The previous years rehabilitation report and forward program forecasted that it will remain in the Ecosystem and Land use Phase to Q1 2026.
2. Catherine Hill Bay Possum Gulley - This area comprises 4.1 Ha, with landform establishment being undertaken during the reporting period. The landform establishment phase has extended into Q3 2024 and is not yet completed, however was progressed throughout the reporting period, previously this was scheduled to be completed in Q2 2023. The project has been delayed due to additional combustible material being identified and the applications for approvals with key stakeholders to amend earthworks strategies.

Rehabilitation planning activities that were conducted, including any specialist studies

During the reporting period Landform Establishment and management of combustible materials at the Catherine Hill Bay - Possum Gulley site was undertaken. A change in the design of a batter within the site was being considered at the end of the reporting period, with a flora and fauna study being commissioned in the reporting period to assess potential impacts of the change in batter design.

Overview of subsidence repair and/or remediation works undertaken

Overview of rehabilitation management and maintenance activities

1. Chain Valley Colliery Former Mine Cottages - throughout the reporting period this area was managed for noxious weeds and plant types that did not conform with the proposed plant community type through foliar spot spraying.
2. Catherine Hill Bay Possum Gulley - throughout the reporting period earthworks were undertaken in this area as part of landform

establishment works. Foliar spraying was completed prior to earthworks, with stripped topsoil stockpiled for re-use on site. Erosion controls were implemented throughout the reporting period in accordance with the contractors erosion and sediment control plan.

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 to be undertaken in the reporting period as a result of any letters, notices or directions issued by government agencies. Recommendations for rehabilitation actions were made by the NSW Resources regulator on 18 July 2024, which will be undertaken in the following annual reporting period.

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

No rehabilitation areas achieved the final land use during the reporting period, nor were any rehabilitation areas forecasted to achieve the final land use during the reporting period.

Key production milestones

MATERIAL	UNIT	FWP0001231 YEAR 1	THIS REPORT
Stripped topsoil <small>(if applicable)</small>	(m ³)	0	0
Rock/overburden	(m ³)	0	0
Ore	(Mt)	0	0
Reject material¹	(Mt)	0	0
Product	(Mt)	1.5	1

¹ 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
A Total surface disturbance footprint	(ha)	27.62
B Total active disturbance	(ha)	22.73
C Land prepared for rehabilitation	(ha)	4.1
D Ecosystem and land use establishment	(ha)	0
E Ecosystem and land use development	(ha)	0.79
F Rehabilitation completion	(ha)	0

Rehabilitation key performance indicators (KPIs)

ELEMENT	UNIT	THIS REPORT
G Total new active disturbance area	(ha)	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
H New rehabilitation commenced during annual reporting period	(ha)	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
I Established rehabilitation	(ha)	0.79
J Annual rehabilitation to disturbance ratio	%	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
K Rehabilitated land to total mine footprint	%	2.87

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	%	100
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

The rehabilitation monitoring program has found that the rehabilitation is progressing, with the management program to maintain optimal rehabilitation conditions, being the ongoing land management and monitoring (weed management and feral species control as/if required).

Status of performance against rehabilitation objectives and rehabilitation completion criteria

The monitoring program that has been implemented

The monitoring program implemented to evaluate performance of the rehabilitation areas was undertaken in accordance with the proposed rehabilitation objectives and the rehabilitation monitoring program for Chain Valley Colliery (EMM, 2019). Monitoring was undertaken of the former mine cottages rehabilitation area only. Rehabilitation monitoring at Catherine Hill Bay - Possum Gully will commence in the next reporting year, this did not commence in this year as predicted as earthworks progression was delayed. The former mine cottages rehabilitation area was compared to Analogue Plot 1 – Derived Native Grassland (EMM, 2019) as this site was noted to align with the target final land use of the domain, being, native grassland. The objectives of the monitoring were also aligned with the Resources Regulator’s Guideline Rehabilitation Controls for rehabilitation monitoring during ecosystem and land use establishment phase.

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?

0

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

2025

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.

The trajectory of the mine cottages rehabilitation was assessed against the rehabilitation objectives of the current mine phase (ecosystem and land use sustainability). While the

rehabilitation area remains within this phase, the trajectory is to current achieve these objectives in 2026 for rehabilitation approval.

Appraisal description

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

Rehabilitation monitoring program findings

Annual rehabilitation monitoring was completed by Atlantech Pty Ltd in 2024 for the former mining cottages rehabilitation area, monitoring was not completed for Catherine Hill Bay Possum Gulley as earthworks had commenced in the reporting year, Possum Gulley will be included in the 2024-2025 rehabilitation monitoring. The 2024 rehabilitation monitoring identified the following:

- * Over 95% ground cover throughout the area
- * Overall weed cover was low (0-25%), several exotic ornamental species as well as lantana and bitou bush observed
- * High species diversity observed. A high abundance of casuarina saplings and several melaleuca, acacia and eucalypt species throughout the rehabilitation area.
- * Several native eucalypt species greater than 10m in height were observed to be in seeding and recruitment stage.
- * Coffee bush (*Breynia oblongolia*) recorded for the first time within the area.
- * Several species of bird observed including rainbow lorikeets
- * Wallaby scats were found throughout the area with low levels of predation observed.
- * Remnant star pickets (4) observed in the area forming a 0.5m square.
- * One cultural heritage site fenced within the rehabilitation area.

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?
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RR0001328

Outcomes of completed trials and research

N/A

Attachment 1 – Reporting Definitions

REPORTING CATEGORY	DEFINITION
<p>A1 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>A2 Underground Mining Area</p>	<p>Underground mining operations areas/subsidence management areas.</p>
<p>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>C 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 & 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 & F in Table 5).</p>

REPORTING CATEGORY		DEFINITION
J	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.
K	% 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.
L	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.
M	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.
N	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
Active	In the context of rehabilitation, land associated with mining domains is considered ‘active’ for the period following disturbance until the commencement of rehabilitation.
Active mining phase of rehabilitation	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.
Analogue site	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.
Annual rehabilitation report and forward program	As described in the Mining Regulation 2016.
Annual reporting period	As defined in the Mining Regulation 2016.
Closure	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).
Decommissioning	The process of removing mining infrastructure and removing contaminants and hazardous materials.
Decommissioning Phase of Rehabilitation	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.

WORD	DEFINITION
Department	The Department of Regional NSW.
Disturbance	See Surface Disturbance.
Disturbance area	<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>
Domain	<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>
Ecosystem and Land Use Development	<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>
Ecosystem and Land Use Establishment	<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>
Exploration	Has the same meaning as that term under the State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

WORD	DEFINITION
Final landform and rehabilitation plan	As defined in the Mining Regulation 2016.
Final land use	As defined in the Mining Regulation 2016.
Form and way	Means the form and way approved by the Secretary. Approved form and way documents are available on the Department’s website.
Growth Medium Development	<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>
Habitat	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).
Indicator	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.
Land	As defined in the <i>Mining Act 1992</i> .
Landform Establishment	<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>
Large mine	As defined in the Mining Regulation 2016.
Lease holder	The holder of a mining lease.

WORD	DEFINITION
Life of mine	The timeframe of how long a mine is approved to mine, from commencement to closure.
Mine rehabilitation portal	<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"> ■ upload rehabilitation geographical information system (GIS) spatial data ■ develop rehabilitation GIS spatial data (using online tracing functions) ■ generate rehabilitation plans and rehabilitation statistics using the map viewer and Rehabilitation Key Performance Indicator functionalities. <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>
Mining area	As defined in the <i>Mining Act 1992</i> .
Mining domain	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).
Mining land	As defined in the <i>Mining Act 1992</i> .
Native vegetation	Has the same meaning as that term under section 60B of the <i>Local Land Services Act 2013</i> .
Overburden	Material overlying coal or a mineral deposit.
Performance indicator	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.

WORD	DEFINITION
Phases of rehabilitation	<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"> ■ active mining ■ decommissioning ■ landform Establishment ■ growth medium development ■ ecosystem and land use establishment ■ ecosystem and land use development.
Progressive rehabilitation	<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>
Rehabilitation Completion	<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>
Rehabilitation Completion criteria	<p>As defined in the Mining Regulation 2016.</p>
Rehabilitation cost estimate	<p>As defined in the Mining Regulation 2016.</p>
Rehabilitation management plan	<p>As defined in the Mining Regulation 2016.</p>
Rehabilitation objectives	<p>As defined in the Mining Regulation 2016.</p>
Rehabilitation risk assessment	<p>As defined in the Mining Regulation 2016.</p>
Rehabilitation schedule	<p>The defined timeframes for progressive rehabilitation set out in the forward program.</p>

WORD	DEFINITION
Relevant stakeholders	Means any persons or bodies who may be affected by the mining operations, including rehabilitation, carried out on the lease land, and includes: <ul style="list-style-type: none"> ■ the relevant development consent authority ■ the local council ■ the relevant landholder(s) ■ community consultative committee (if required under the development consent) or equivalent consultative group ■ affected land holder(s) ■ government agencies relevant to the final land use ■ affected infrastructure authorities (electricity, telecommunications, water, pipeline, road, rail authorities) ■ local Aboriginal communities, and ■ any other person or body determined by the Minister to be a relevant stakeholder in relation to a mining lease.
Risk	The effect of uncertainty on objectives. It is measured in terms of consequences and likelihood (AS/NZS ISO 31000:2009).
Secretary	The Secretary of the Department.
Security deposit	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).
Surface disturbance	Includes activities that disturb the surface of the mining area, including mining operations, ancillary mining activities and exploration.
Tailings	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 ² .
Waste	Has the same meaning as that term under the <i>Protection of the Environment Operations Act 1997</i> .

² 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
9 Jul 2024	NSW Resources Regulator	Site inspection undertaken by Resources Regulator Senior Inspector Environment as part of the Planned Inspection Programs (PIP). The assessment focussed on whether rehabilitation is occurring as soon as reasonably practicable after surface disturbance.	Recommendations made as part of the PIP included: 1. Ongoing weed management. 2. Review Access tracks with NSW RFS. 3. gap analysis with rehabilitation completion criteria 4. Finalisation of rehabilitation completion criteria. 5. Consider developing an inspection test plan. 6. Review the requirement of laydown areas and scrap equipment stored. 7. Consider temporary cover measure in laydown areas. 8. Further studies on impact if water pumping is ceased.	Chain Valley Colliery seeks to address these actions within the next reporting period. Measures in regards to weed management in the Former Mining Cottages domain were commenced at the time of preparing the Annual Rehabilitation Report.

Attachment 5 – Plans

A3 Landscape Plan 1A.pdf

A3 Landscape Plan 1B.pdf

Annual Report (LARGE MINE) v1.6