



DONALDSON COAL MINE AND ABEL UNDERGROUND COAL MINE

REHABILITATION MANAGEMENT PLAN

CARE AND MAINTENANCE

Version 2

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1	01.08.2014	Original	Original Rehabilitation Management for Abel Coal Mine	GSS Environmental
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1. Introduction

1.1 Background

The Abel underground coal mine and Donaldson open cut coal mines are located in close proximity to each other and are currently managed as an amalgamated mining complex. Donaldson has ceased operations and majority of disturbed land has been rehabilitated whilst Abel is in 'care and maintenance' with restricted activities occurring across the mining complex. Activities that currently occur include water management, rehabilitation maintenance, land maintenance (including weed management etc), maintenance of mining infrastructure and environmental monitoring activities.

This Rehabilitation Management Plan (RMP) serves to meet the requirements of both the Donaldson Development Consent and the Abel Project Approval. It is applicable whilst Abel is in Care and Maintenance and Donaldson in Mine Closure. A review and update to this RMP will be undertaken prior to mining operations recommencing at Abel.

The rehabilitation of both the Abel and Donaldson Coal Mines is detailed within the approved Mining Operations Plan (MOP) for each site and are referred to throughout this document and can be found in the Donaldson MOP (Appendix A) and Abel MOP (Appendix B). This management plan is a high level document that refers to and summarises the detail contained in the MOP's.

2. Project Location and Description

Donaldson mine and Abel underground mine are located approximately 23km west of Newcastle. Other nearby towns include Beresfield, located 2km north-east, and Maitland located approximately 5km north east. The mines access, entries and primary surface facilities are located off John Renshaw Drive, Blackhill. Donaldson coal mine has been rehabilitated whilst the Abel coal mine has been in care and maintenance since 2016. Figure 2.1 shows the location of the Donaldson and Abel Mines with respect to surrounding lands.

Both mines now use the Abel surface facilities to operate administrative and care and maintenance activities.

Whilst in care and maintenance, the operation has minimal employees and is staffed 5 days a week on day shift only. There are no scheduled rehabilitation of disturbed areas during care and maintenance with rehabilitation activities restricted to weed management, monitoring and subsidence remediation if required.

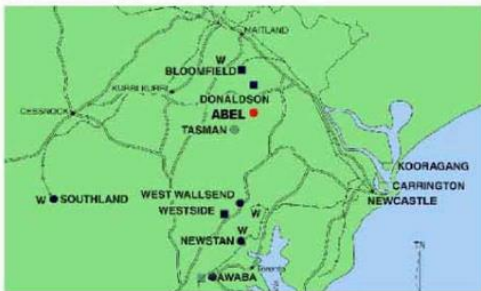
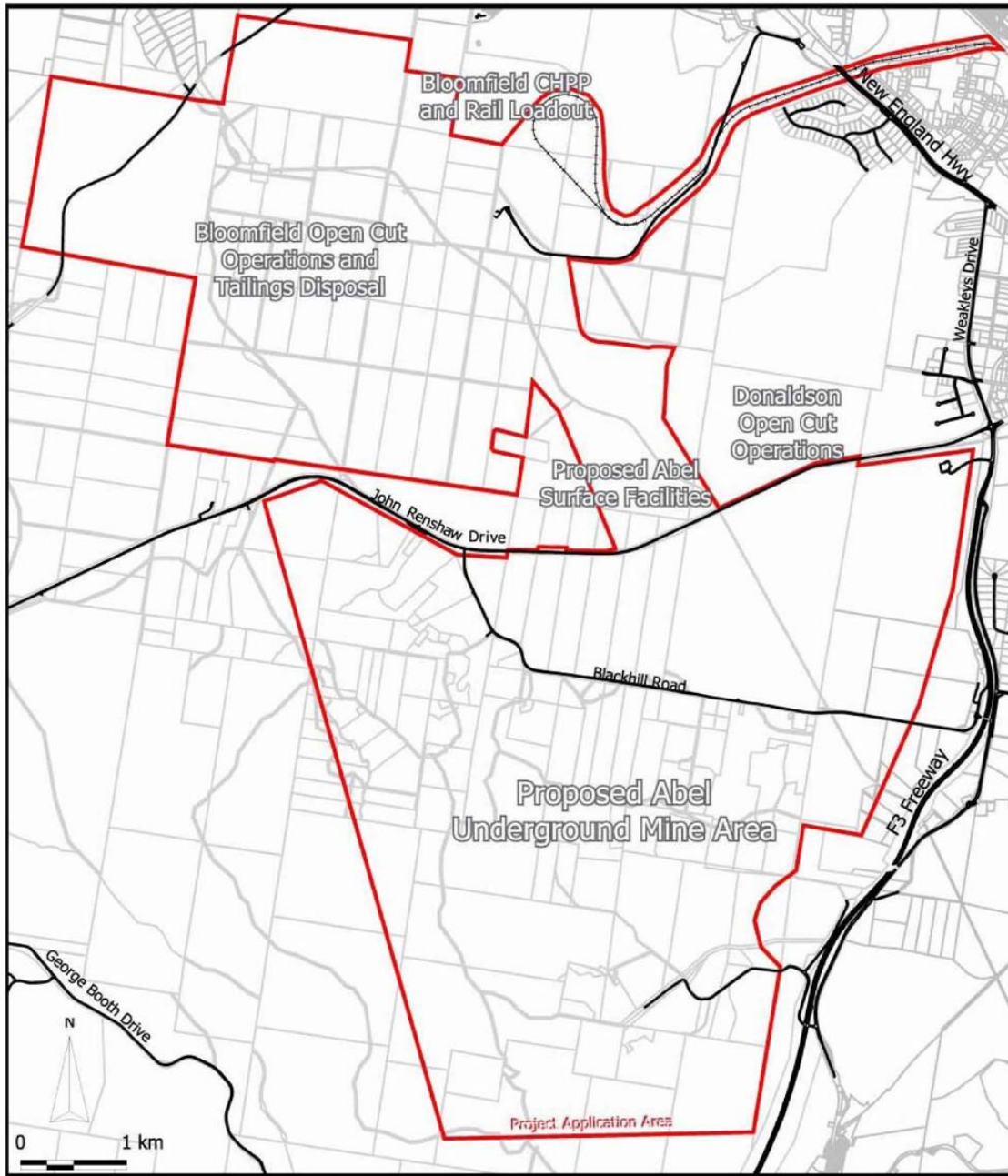


Figure 2-1 Donaldson Coal Locality Plan

3. Statutory Requirements

This Rehabilitation Management Plan (RMP) has been compiled to meet the requirements of both the Abel Coal Project Approval (05_0136) and the Donaldson Coal Development Approvals (DA 98/01173 and DA 118/698/22). Both coal mines have a requirement to prepare and implement a rehabilitation management plan.

Sections 3.1 and 3.2 below list the conditions within the Abel Project Approval and Donaldson Development Consent that are relevant to this management plan and references the section within the document where the condition is met.

3.1 Abel Coal Mine

The Abel Project Approval 05_0136 was originally granted by the Minister on the 6th June 2007 and subsequently modified on three occasions for the installation of a downcast shaft, upcast shaft and facilities upgrade. This RMP is required under PA 05_0136 in Schedule 4, Condition 29;

Table 3-1 Abel Project Approval Conditions

Ref	Requirement	Section in this Document
29	<i>The Proponent shall prepare and implement a Rehabilitation Management Plan for the project, in consultation with OEH, NOW, Cessnock City Council, Maitland City Council and Newcastle City Council, and the CCC, and to the satisfaction of the Director-General and the Executive Director Mineral Resources. This plan must:</i>	This document
	<i>(a) be submitted to the Director-General and the Executive Director Mineral Resources for approval within 9 months of the date of approval of MOD 3;</i>	
	<i>(b) be prepared in accordance with any relevant DRE guideline and be consistent with the rehabilitation objectives in the EA, EA (MOD 3) and in Table 11;</i>	Appendix 1 Appendix 2
	<i>(c) describe how the performance of the rehabilitation would be monitored and assessed against the objectives in Table 11;</i>	8
	<i>(d) describe the process whereby additional measures would be identified and implemented to ensure the rehabilitation objectives are achieved;</i>	6
	<i>(e) provide for detailed mine closure planning, including measures to minimise socio-economic effects due to mine closure, to be conducted prior to the site being placed on care and maintenance; and</i>	5.4
	<i>(f) be integrated with the other management plans required under this approval.</i>	5.2
Note	<i>The Rehabilitation Management Plan should address all land impacted by the project, and should be suitably integrated with the approved Rehabilitation Management Plans for the Donaldson Open-Cut Mine and the Bloomfield Colliery.</i>	6.6

3.2 Donaldson Coal Mine

The Donaldson Development Approval DA 98/01173 lodged with Maitland Council and DA 118/698/22 lodged with Cessnock Council was granted by the Minister on the 14th October 1999 and subsequently modified on two occasions for an extension of the pit limits and extension to the mine life. This RMP is required within the Donaldson Development Consent in Schedule 2, Conditions 78 and 78A that state;

Table 3-2 Donaldson Development Consent Conditions

Ref	Requirement	Section in this Document
78.	<i>The Flora and Fauna Management Plan shall also include a Rehabilitation Plan that details the measures to be undertaken to progressively rehabilitate disturbed areas of the mine to replicate the original vegetation cover that existed before mining occurred. The Applicant shall be responsible for the management and monitoring of the rehabilitated mine site until such time as the Director General agrees that restoration has been successful.</i>	This Document
78A.	<i>By 31 October 2011, the Applicant shall revise the Rehabilitation Plan to the satisfaction of the Director-General. The revised plan must:</i>	
	<i>(i) be prepared in consultation with DRE;</i>	Sent for Comment
	<i>(ii) include;</i>	
	<ul style="list-style-type: none"> • <i>the rehabilitation objectives for the site;</i> 	4.2
	<ul style="list-style-type: none"> • <i>a strategic description of how the rehabilitation of the site would be integrated with surrounding land uses;</i> 	6
	<ul style="list-style-type: none"> • <i>a general description of the short and long term measures that would be implemented to rehabilitate the site, including;</i> <ul style="list-style-type: none"> - <i>managing remnant vegetation and habitat on site;</i> - <i>minimising impacts on fauna;</i> - <i>minimising visual impacts;</i> - <i>conserving and reusing topsoil;</i> - <i>controlling weeds, feral pests, and access; and</i> - <i>managing bushfires;</i> 	Appendix 3 F&FMP (s.4) 6.6
	<ul style="list-style-type: none"> • <i>detailed performance and completion criteria for the rehabilitation of the site;</i> 	7
	<ul style="list-style-type: none"> • <i>a detailed description of how the performance of the rehabilitation works would be monitored over time to achieve the stated objectives and against the relevant performance and completion criteria; and</i> 	8
	<ul style="list-style-type: none"> • <i>details of who is responsible for monitoring, reviewing and implementing the plan.</i> 	10.1

4. Post Mining Landuses and Rehabilitation Objectives

4.1 Post Mining Landuse Goals

Abel Mine Site

The primary goal for mine rehabilitation of the Abel Project will be to create stable final landforms with acceptable post-mining land use and capability. The majority of surface disturbance areas, including surface infrastructure areas and areas impacted by subsidence, will be rehabilitated with native vegetation species to restore ecological function. The final voids will be rehabilitated to a pasture final landuse.

The proposed final land use aims to emulate the pre-mining environment and enhance local and regional ecological linkages across the Project Area.

Donaldson Mine Site

Several potential post mining land uses have been outlined for the rehabilitated areas at Donaldson Coal Mine. Stated land uses were nature reserve, open spaces or light industrial area. The areas known as the West Pit and Square Pit are to be used in conjunction with the operation of the Abel Underground Coal Mine. The use of these areas were discussed in the modification to the Abel Development Consent which included the West pit to be used as ROM stockpile and the Square pit to be used for the disposal of washery tailings. A decision has been made by Donaldson Coal Management not to use the Square Pit for tailings emplacement. However, the Square Pit will be used for the temporary storage of excess water from Abel Underground Coal Mine prior to being transferred to the Big Kahuna dam. The West Pit will also be used for temporary storage of water and the emplacement of minor volumes of underground stowage material (waste rock) from clean-up of roadways etc. associated with the Abel Mine.

4.2 Rehabilitation Objectives

Abel Mine

Rehabilitation objectives from the approved Abel Care and Maintenance MOP are listed in Table 4-1.

Table 4-1 Abel Mine Rehabilitation Objectives

Feature	Objective	Target
Landform / Structures	Provide a geotechnically stable landform	The western wall of the Abel Box Cut is battered back to no greater than 18 degrees and the northern wall to no greater than 10 degrees. Site specific geotechnical review determines that the retained slopes are not likely to actively erode or 'slip' to an extent requiring further earthworks and profiling.
	Provide a non-polluting landform	Water quality monitoring results show the landform is non-polluting within the meaning of Section 120 of the <i>Protection of the Environment Operations Act 1997</i> . Groundcover is maintained at a minimum of 70%.
	Ensure all the final landform / structures are safe and secure.	All surface infrastructure has been removed unless otherwise agreed with DRE.

		<p>The mine portals and ventilation shafts are sealed in accordance with current guidelines.</p> <p>Any built structures impacted by subsidence have been repaired to the pre-mining condition or equivalent, unless otherwise agreed by the relevant land and / or asset owner.</p>
Land Use	Rehabilitate any areas impacted by subsidence to a standard which enables the continuation of the existing land use.	Areas impacted by subsidence are returned to the existing land use within a timeframe agreed upon with the landholder.
	Rehabilitate the Abel Box Cut for use as a water storage suitable for a water supply for use in surrounding mining operations.	Safe and stable vegetated batters (to pasture) which do not adversely impact upon the quality of water within the void.
	Rehabilitate remaining areas of surface disturbance to native woodland.	Disturbed areas are revegetated using local native plant species to provide a self-sustaining woodland community.
Biodiversity/ Biological Function	Revegetated areas have maintenance requirements no greater than analogous sites not disturbed by mining related activities.	<p>Rehabilitation monitoring confirms that the established vegetation communities are self-sustaining (applicable to both pasture and native woodland communities).</p> <p>Rehabilitation monitoring confirms that non-target species (weeds) are not adversely impacting the targeted revegetation community and / or present management requirement similar to analogous sites not disturbed by mining activities.</p>
Other	Relinquishment of the Mining Lease and the return of the security lodged over the Mining Lease within a reasonable time after the end of the mine life.	10 years after final rehabilitation.

Donaldson Mine

Rehabilitation Objectives within the approved Donaldson Care and Maintenance MOP include;

- *To restore disturbed areas post-mining to a stable landform and a landscape which is compatible with the surrounding environment;*
- *To restore Four Mile Creek as near as possible to its pre-mining alignment;*
- *To establish a nil or low maintenance vegetative covering comprising native species and suitable introduced species for disturbed areas; and,*
- *To rehabilitate the site in such a manner as to permit final landuses compatible with local planning requirements*

5. Rehabilitation Management Strategy

5.1 Overview

The key elements of the rehabilitation strategy proposed in this plan include:

- Setting long-term rehabilitation objectives;
- Developing specific Rehabilitation Criteria for assessment of “success”;
- Specifying and implementing current best practice rehabilitation procedures; and
- Monitoring, continuous improvement feedback and eventual signoff.

Rehabilitation across the complex will be undertaken progressively over the life of the projects as an integral component of mining operations. All rehabilitation works will be scheduled to commence as soon as practicable after the disturbed land is no longer required for mining operations. Progressive rehabilitation minimises the disturbed area at any given point in time and hence reduces the environmental impacts of the Projects.

Revegetation of disturbed land and subsidence areas will be implemented using local provenance species wherever possible. A native seed collection program will occur in the project area prior to large remediation campaigns to ensure propagation of local provenance species.

A key rehabilitation objective will be to ensure that protection of the natural and man-made pre-mining environment will be achieved by implementing ‘safe and serviceable’ subsidence tolerance limits.

5.2 Integration with other Management Plans

5.21 Mining Operations Plan.

Rehabilitation strategies outlined in this RMP are further discussed and detailed in the Abel and Donaldson Mining Operations Plans (MOP). Each successive MOP through the life of the mine will include detail of the proposed rehabilitation progress in the MOP term, rehabilitation methodologies for activities in the MOP term, and mine closure planning detail appropriate for the expected remaining life of the project. Both of the currently approved Abel and Donaldson MOP’s are relevant to the current care and maintenance status of the projects.

5.22 Flora and Fauna Management Plan

The Flora and Fauna Management Plan (F&FMP) in Appendix 3 has been updated to consolidate the requirements of both project approvals and integrate flora and fauna monitoring programs and management strategies. The F&FMP is in Appendix 3 and provides specific information relevant to rehabilitation such as weed, feral animal, topsoil and vegetation management. The Donaldson Development Consent required this RMP to be included in the F&FMP and as such, this RMP has been included in the F&FMP as an Appendix.

5.23 Abel Extraction Plan

The Abel Extraction Plan required under Condition 4 of Schedule 3 in the Abel Project Approval contains a Biodiversity Management Plan, Land Management Plan and Subsidence Monitoring Plan. These three plans contain information that are consistent and supplementary to this RMP and specific to the extraction plan area.

5.24 Bushland Conservation Area Management Plan

The Bushland Conservation Area Management Plan (BCAMP) provides an overview of the Bushland Conservation Area (BCA) that surrounds the Donaldson Coal Mine. The BCA was developed to offset the disturbed areas of the Donaldson

mine at a ratio of 1:2, disturbed land to conservation area. The plan refers to the integration with other plans that provide specific detail of how the BCA will be conserved in relation to restricting access, flora and fauna monitoring, weed and feral animal management and erosion and sediment control. These management measures are common and consistent between the BCAMP and this Rehabilitation Management Plan.

5.25 Tetratheca juncea Management Plan

The Tetratheca juncea Management Plan (TjMP) covers the management of Tetratheca juncea which is a threatened plant listed as 'vulnerable' and inhabits an area to the North West of the Donaldson Square Pit. Although not rehabilitated land, the Tetratheca juncea conservation area requires specific management consistent with the Rehabilitation Management Plan including bushfire, weed and access management. These management areas will be integrated in practice so a consistent approach is applied between the two areas.

5.3 Domains

Rehabilitation of the Abel and Donaldson mines will involve stabilisation of the following domains:

- Domain 1: Open Cut - Boxcut, includes the Square Pit and Abel Pit final void;
- Domain 2: Surface infrastructure areas, including:
 - temporary / permanent surface facilities;
 - coal haulage roads/conveyor route;
 - vent shaft sites; and
 - Bloomfield CHPP.
- Domain 3: Mine Subsidence Areas includes areas impacted by subsidence not captured in Domains 1 or 2;

Domains are depicted on Figure 5.1. Domain rehabilitation objectives are provided in Table 5.1 below. Domain rehabilitation strategies are outlined in the sections below.

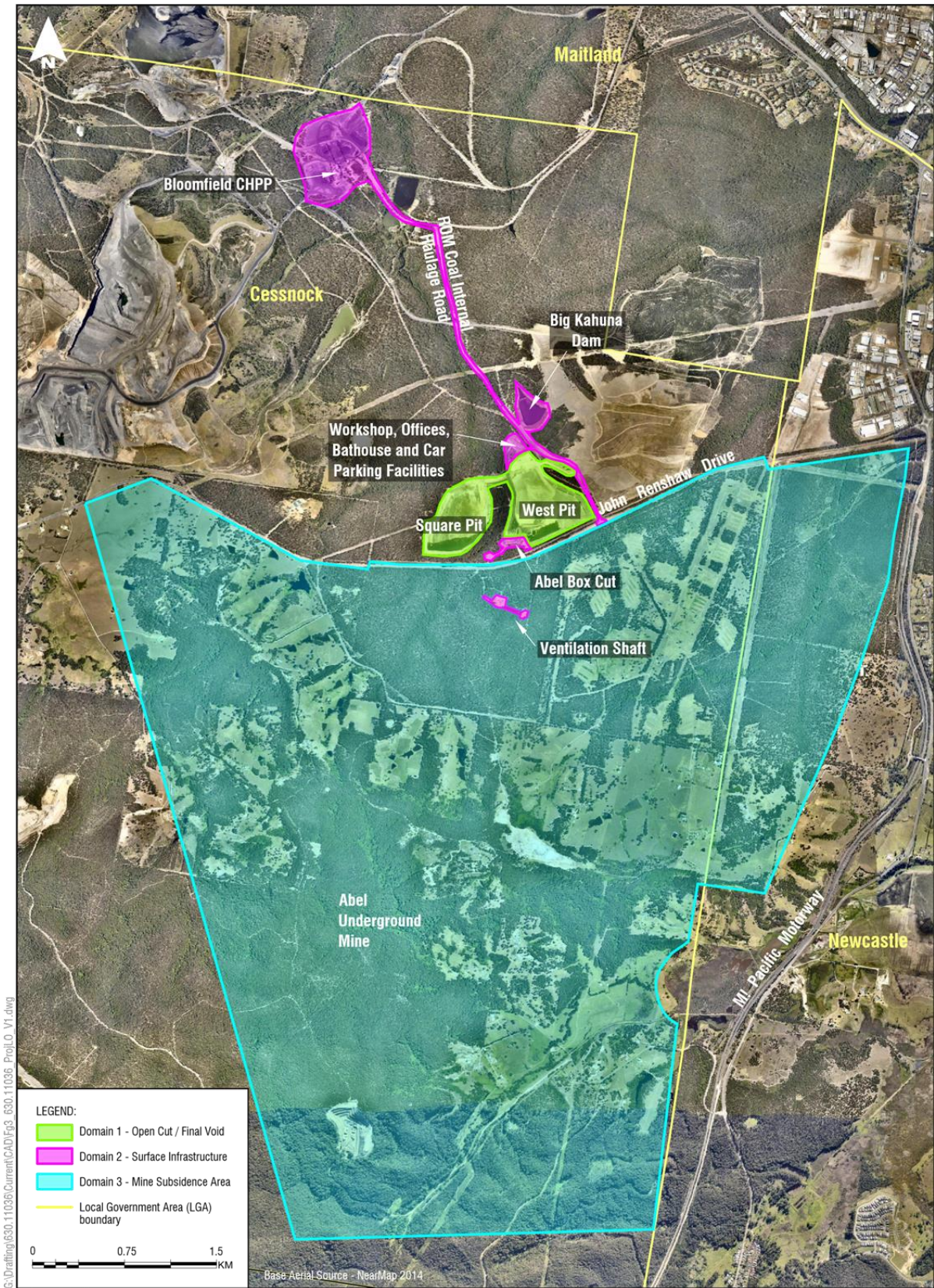


Figure 5-1 Donaldson Coal Remaining Rehabilitation Areas

Table 5-1 Domain Rehabilitation Objectives

Domain	Objectives
Domain 1 Pit / Final Void	<ul style="list-style-type: none"> Final voids including the boxcut will be made safe, geotechnically stable and non-polluting; Catchments reporting to the final voids will be minimised with the use of diversion banks and drains; Where required the eastern, western and southern walls will be battered back to 18 degrees or less. The northern side will be battered back to 10 degrees or less. The final void will be rehabilitated with exotic pasture species.
Domain 2: Surface Infrastructure Areas	<ul style="list-style-type: none"> All surface infrastructure will be decommissioned and removed (unless the Executive Director Mineral Resources agrees otherwise); The mine portal and ventilation shafts will be decommissioned and sealed in accordance with regulatory guidelines; Surface infrastructure areas will be made safe, geotechnically stable and non-polluting; Disturbed areas will be rehabilitated with exotic pasture species.
Domain 3: Mine Subsidence Areas	<ul style="list-style-type: none"> All areas will be safe, geotechnically stable and non-polluting. Watercourses will be hydraulically and geomorphologically stable; Areas impacted by subsidence will be rehabilitated with native vegetation to restore ecological function, using local native plant species (unless the Executive Director Mineral Resources agrees otherwise); Built features impacted by subsidence will be repaired to the premining condition or equivalent, unless otherwise agreed by the relevant land and/or asset owner.

5.31 Domain 1: Boxcut - Final Voids

Following mining lease transfer from Donaldson Open Cut Mine, Abel will assume statutory responsibility for the Donaldson Open Cut Square Pit final void, West Pit final void that includes the Abel Boxcut and mine portal. Prior to closure Abel will develop detailed final void designs and a final void management plan in consultation with stakeholders and relevant government agencies.

Preliminary strategies to be implemented to stabilise the final voids and Boxcut are outlined below:

Low walls

- Low walls will be battered back from the angle of repose to enhance the long term geotechnical stability of the face. Determination of geotechnical stability will be based on an assessment of the spoil material, the likely degree of settlement, and the degree of weathering expected in the long term. Where required low walls will be battered back to 18 degrees or less;
- Drainage on and over the low walls will be minimised through the construction of drainage control structures;
- Erosion of the low walls will be controlled by limiting the length of slope, minimising the degree of slope and by the establishment of suitable vegetation;

Highwalls

Surface water runoff may cause slope deterioration and ultimate failure unless managed. Drainage will be directed away from the highwall face through the construction of interceptor channel drains around the perimeter of the highwall and spoon drains will be utilised on the upslope side of all benches. Drainage over the low wall will be minimised through constructing surface water diversions.

The majority of flows from catchments areas formerly reporting to the final voids have been diverted to minimise the amount of clean water runoff accumulating in the voids. These catchment areas associated with the rehabilitation areas at Donaldson Open Cut Mine are in an advanced stage of rehabilitation. Runoff from these areas has been diverted to appropriate sediment control measures prior to leaving the site through stable water disposal areas.

Existing low wall and internal benches will be shaped to achieve a final landform with a slope gradient that is geotechnically stable and has the ability to support vegetation. Where required the eastern, western and southern sides of the final void will be battered back to 18 degrees and the northern side to 10 degrees. During the low wall dozer reshaping, water management structures such as contour banks, drains and drop structures will be established to divert as much of the surrounding catchment as possible away from the final void so as to limit the amount of water that accumulates in the void.

The site will be trimmed, rock raked and deep ripped with gypsum prior to the placement of topsoil to 150mm thick. Topsoil will be sourced from existing topsoil stockpiles. The spoil will be ameliorated and sown to exotic pasture species commonly used in Hunter Valley mine site rehabilitation programs. Prior to initiation of revegetation works, the re-spread topsoil on low wall slopes will be sampled and subsequently tested for pH, conductivity, exchangeable sodium percent and nutrient requirements.

Low wall slopes with gradients of 10 degrees or less will be sown conventionally via ground broadcasting. Low wall slopes approaching 18 degrees, and where structural soil conservation earthworks cannot be used, will be hydromulched or straw mulched to enhance the surface stability of the slopes by hastening vegetative germination and establishment.

5.32 Domain 2: Surface Infrastructure Area

General

The primary rehabilitation objective for Domain 3: Surface Infrastructure Areas is to stabilise all disturbed areas to create a safe, stable, non-polluting landform. Rehabilitation will be undertaken progressively where practicable, and works will be scheduled to commence as soon as practicable after civil works are completed. All built infrastructure and services will be decommissioned and removed from site with the possible exception of the sealed access road from John Renshaw Drive and the sealed ROM private haul road which may be retained for the post mining landuse. Decommissioning and demolition will be undertaken in accordance with a Decommissioning and Demolition Strategy to be developed prior to closure (refer to Section 5.41).

Following decommissioning and demolition of built infrastructure all demolition waste, hazardous and contaminated materials will be removed from site. Disturbed areas will be de-compacted (ripped) where required, topsoiled and revegetated.

The principal revegetation techniques used will be hydroseeding exotic pasture species in accordance with the specific species documented in Table 5-2.

All revegetation operations are best undertaken immediately after ripping of topsoiled areas is complete so that the ripped surface has minimal time to crust prior to seed application. The most effective way of controlling erosion will be to establish and/or maintain a healthy vegetation cover. Vegetation will provide effective surface protection against raindrop impact, bind the underlying soil to resist detachment by surface flows, and improve and maintain the soil's infiltration capacity thereby decreasing the velocity and volume of runoff. Vegetation will also improve the aesthetic appearance of each area and the operational efficiency of structural sediment and erosion control measures employed.

Hydroseeding & Straw Mulching

Techniques proposed for vegetative stabilisation of the infrastructure area batters include the use of hydroseeding and straw/bitumen (straw mulching). All reshaped areas will be sown with exotic pasture species and inorganic fertiliser at luxurious rates.

After surface soil tillage is completed for any given area, revegetation will commence as soon as practicable. The proposed method of sowing will be via hydroseeding. Straw mulching will be undertaken as a post-sowing treatment for enhancement of pasture germination.

Hydroseeding is a technique which involves the mixing, in a large tanker, of slurry containing selected seed varieties, fertiliser and wood pulp (cellulose fibre), adding water as an adhesive. The slurry is then pumped through a high pressure spray, over the area to be treated. The seed generally adheres to the pulp, which improves the micro-climate for germination and establishment.

Pasture species and rates will generally be three (3) times that normally broadcast or drilled in pasture improvement programs throughout the district. The soils in the Lower Hunter area typically respond well to high rates of nitrogen and phosphorus fertilisers. The use of luxurious fertiliser rates will be a key feature of the revegetation program.

All areas will be straw mulched upon completion of hydroseeding. Straw mulching involves providing cover for the soil to improve pasture growth, modifying the soil surface to control erosion, or a combination of both. Securely pressed against the surface of the soil, straw mulch provides a high degree of erosion control and improves moisture availability to establishing pasture. The mulch also has the effect of protecting the soil surface against raindrop impact, improving the micro-environment for seed germination and establishment by reducing evaporation losses, and assisting in the control of surface erosion caused by raindrop impact and overland water flow.

Straw will be applied at a rate of 5 t/ha to achieve approximately 80% ground cover at a nominal thickness of 1 to 2 cm. The mulch will be fixed to the soil surface to avoid loss by wind or water. This will be achieved by applying a slow-breaking anionic bitumen emulsion with water in a 1:1 mixture at a rate of 2 litres/m².

The use of hydroseeding and straw mulching techniques negate the need for irrigation to promote germination and establishment of the pasture sward.

Species Selection

A mixture of exotic pasture grass and legume species have been selected for revegetation of surface infrastructure areas within the Abel Project. The proposed mix is provided in Table 5-2.

Table 5-2 Grass Species and Seeding Rates for Infrastructure Areas

Species	Rate (kg/ha)
Hulled Couch	6
Wimmera Ryegrass	10
Consul Lovegrass	2
Oats (autumn / winter) or Jap Millet (spring / summer)	20
Sub Clover	4
Haifa White Clover	5
Lucerne	5

All legumes (clovers & lucerne) will be inoculated with Rhizobia and lime pelleted prior to sowing to promote nodulation thus facilitating subsequent nitrogen fixation.

Nutrition and Fertiliser

Fertiliser will be applied during the hydroseeding operation. Granulock 15 (or similar) will be applied at a rate of 250 kg/ha in a slurry containing seed, wood fibre pulp and water.

Timing

Exotic pasture seed is best sown when soils are warm and at Abel preferably between September and March (inclusive). Sowing will always be undertaken immediately after site preparation and before rain and surface crusting can occur.

5.33 Domain 3: Mine Subsidence Area

Rehabilitation of subsidence impacts will be undertaken in accordance with the approved Subsidence Management Plan / Extraction Plan (SMP/EP).

Rehabilitation methods for natural features will include infilling surface cracks in watercourses, dam walls, roads or general areas such as grazing paddocks. This will require topsoil to be stripped, the surface re-graded, filling of cracks with an approved material such as soil, sand, cement or bentonite grout, prior to the surface being re-graded, compacted and topsoil replaced.

The rehabilitation of potentially affected dams is described in the Abel EA and MOD 3 EA. Donaldson will develop a Dam Monitoring and Management Strategy to monitor potential subsidence impacts to farm dams and mitigate any impacts. Actions will include draining the dam storage area and repairing the dam with an impermeable clay liner to seal any cracks, prior to re-instatement of water.

PA 05_0136 Appendix 5 Statement of Commitments details Donaldson's commitments for the monitoring and repair of structures, including Principal Residences, in accordance with the Mine Subsidence Board requirements. Additional detail regarding subsidence monitoring and rehabilitation is provided in the approved SMP/EA and Individual Property and Asset SMPs.

5.4 Planning for Closure

Mine closure planning will be developed through the life of the project and documented in the MOP's. Mine closure planning will be undertaken in consultation with key stakeholders including relevant state government agencies and local government agencies. Mine closure planning will be undertaken in accordance with key regulatory and industry guidelines listed in Section 2.2. Key aspects of mine closure planning to be developed through the life of the project are discussed in the sections below.

5.41 Decommissioning and Demolition Strategy

As outlined in Section 5.32 detailed mine closure planning will include preparation of a decommissioning and demolition strategy for the Project. Donaldson will engage structural engineers and suitably qualified and experienced demolition experts to undertake an assessment of all structures to be decommissioned and demolished. Structures proposed to be decommissioned and demolished include the Abel workshops, bathhouse and administration facilities.

The demolition strategy will be prepared in accordance with Australian Standard AS2601-2001: The Demolition of Structures (or its latest version) to determine the appropriate demolition techniques, equipment required, and the optimal decommissioning sequencing.

Principal activities required to develop the decommissioning and demolition strategy are;

1. **Site Investigations** to assess infrastructure and services. Site investigations will include to locate and quantify above ground and buried services, locate and assess all chemical and hydrocarbon tanks and vessels, and identify contaminated materials.
2. **Structures Condition Assessment** to assess the structural condition of built structures and inform the demolition equipment and techniques required for removal of all buildings and fixed plant. The assessment will also identify opportunities for re-use and/or recycling infrastructure, plant and demolition materials.

5.42 Socio Economic Impacts of Closure

Detailed mine closure planning consultation will include consultation to assess and minimise the socio economic impacts of mine closure. Donaldson will consult with employee groups, Maitland City Council, Cessnock City Council and Newcastle City Council to identify opportunities to enhance economic opportunities for the proposed post mining landuse and manage the impacts of closure for employees and contractors. Currently, during the care and maintenance period, there are a small number of employees engaged in the maintenance of the site. There are several options as to how the cessation of employment for employees at Donaldson Coal will be managed. These options include redeployment at another operation within Yancoal, retraining to another role within Yancoal and undertaking a redundancy process.

5.43 Financial Assurance

Donaldson is committed to providing adequate financial assurance for mine closure. As part of the Mining Operations Plan approval process a Rehabilitation Cost Estimate (RCE) to determine an adequate Security Bond to provide for unplanned closure of the project has occurred. The RCE has been updated and re-submitted to the Resource Regulator with each MOP submission to ensure the Security Bond makes financial provision to cover the cost of rehabilitation associated with the anticipated maximum disturbance footprint in each MOP term.

When Donaldson initiates technical investigations to develop the Decommissioning and Demolition Strategy (refer to Section 5.41 above), detailed cost estimates will be prepared for the decommissioning and demolition of built infrastructure, and removal of all building materials, hazardous materials and contaminated waste.

6. Integration of Rehabilitated Lands with Surrounding Lands

Rehabilitation of the boxcut / final voids, underground mining areas and surface infrastructure will be strategically integrated into surrounding land owned by the proponent with the major objective being improvement of the regional landscape and ecological values. Introduction of fencing and the management of weeds, feral animals and bushfire will be key components of this strategy.

6.1 Fencing

Areas of retained vegetation within the surrounding land owned by the proponent will be appropriately protected from human-induced impacts such as damage to vegetation from vehicles or trampling, increased rubbish dumping and alteration to normal fauna behaviour patterns. As appropriate, fencing will be used to protect existing vegetation from accidental disturbance and will clearly identify areas of vegetation to be retained. The type of fencing used will consider the need for facilitation of fauna movement.

Fencing will also be used as part of the revegetation strategy to control impacts such as grazing and to allow vegetation to regenerate naturally. This option will be used where active disturbance to the soil for replanting is not considered appropriate, such as in areas of archaeological significance or in other places where significant tree cover remains. In such cases, sensitive areas will be fenced to exclude stock and to allow native vegetation to occur.

6.2 Weed Control

Weed management strategies are documented in the F&FMP (Appendix 3) and MOP's (Appendix A and B). The presence of weed species has the potential to adversely impact rehabilitation. In addition to this, the presence of weed species within the surrounding land has the potential to significantly decrease the habitat value of the native vegetation. Weed management is a critical component of mine rehabilitation and landscaping.

Control measures include:

- Hosing down equipment in an approved wash down area before entry to site.
- Scalping weeds off topsoil stockpiles prior to re-spreading topsoil.
- Identifying and spraying existing weed populations on-site together with ongoing weed spraying over the life of the mine.

The spread of weeds will be eliminated from rehabilitation areas by using weed free soil from the open cut area and monitoring & controlling weed populations should they occur.

Weed control, if required, will be undertaken in a manner that will minimize soil disturbance. Any use of herbicides will be carried out in accordance with Department of Primary Industries and Environmental Protection Authority requirements though it is anticipated that regular monitoring of weeds, combined with extremely low base weed populations, will enable simple physical weed control to be effective. If herbicides are required, selective application will be used in preference to broad area application.

The Donaldson Coal Flora and Fauna Management Plan (Appendix 3) provides additional information on the management of weeds.

6.3 Feral Animal Control

Feral animals are managed in accordance with the procedures documented in the F&FMP (Appendix 3) and MOP (Appendix A and B). Introduced fauna species such as foxes, rabbits and feral cats will continue to be controlled on an “as required” basis. An increase in feral species within the site has the potential to cause considerable impacts on existing native species. Feral animal control programs will be initiated in consultation with the Local Land Services (LLS).

6.4 Bushfire Management

Management measures to mitigate the risks of bushfire are documented in the Bushfire Management Plan and the Donaldson MOP (Appendix 1). The exclusion of bushfire from revegetated batters is necessary to allow sown vegetation to successfully establish. Inappropriate bushfire regimes have the potential to, not only destroy essential mining infrastructure, but significantly alter vegetative status of the area or even completely destroy vegetation rendering the batters vulnerable to erosion.

6.5 Adaptive Management

A strong positive feedback loop between monitoring and adaptive management will be established. The management of the ecological components of the Project will be responsive to any new ecological data that may arise through the monitoring of the site, or any other studies completed as part of the Project. This will enable a flexible approach to the management requirements of the Project, allowing ongoing feedback and refinement of the rehabilitation management strategy.

6.6 Visual Amenity

The visual impacts that have occurred from the historical mining operations has been minimised using several mitigation strategies. These strategies include but are not limited to;

- **Retaining vegetation and maintaining buffer strips.** This includes a 20m woodland buffer strip between John Renshaw Drive and disturbed areas. This buffer will be maintained during ‘care and maintenance’. This buffer also includes a vegetated bund above open cut highwalls that remain in the West and Square Pits.
- **Revegetation of the Donaldson Open Cut.** The Donaldson rehabilitated areas on the eastern side of the Abel access road have been completely revegetated with no views of disturbed land from John Renshaw Drive. Rehabilitation monitoring will continue during ‘care and maintenance’ to ensure progression of rehabilitation and improved visual aesthetics.
- **Reducing light emissions.** ‘Care and maintenance’ activities will only be required during daytime periods. The requirement for lighting has been substantially reduced with the majority of operational lighting turned off. Operational lighting will remain off during ‘care and maintenance’ to reduce the potential of light emissions.

6.7 Integration with Bloomfield Colliery

The Bloomfield Colliery is located to the north-west of Donaldson Coal land and is an operating open cut coal mine. During the preparation of this RMP, the Bloomfield Rehabilitation Management Plan has been reviewed to ensure

consistent information within plans. The Bloomfield Remediation Management Plan is on the Bloomfield website; <http://www.bloomcoll.com.au/Portals/5/Files/BloomfieldColliery/RMP%20Revised%20Final%20201117.pdf>

Figures 2.1 and 5.1 shows Donaldson Coal in relation to the Bloomfield Colliery in particular the haul road between the two sites and the Bloomfield Coal Handling Preparation Plant (CHPP). The responsibility for rehabilitating land on which joint infrastructure lies on, is held with the company who owns the land the infrastructure is located on (ie the CHPP will be remediated by Bloomfield Colliery and the Abel haul road will be rehabilitated by Donaldson Coal.

7. Completion Criteria

Rehabilitation completion and performance criteria are detailed in the MOP's and will be further developed in successive MOPs following review of annual rehabilitation monitoring data. Specific completion criteria can be found in Appendix 1, Table 10 of the Donaldson MOP and Appendix 2, Table 13 of the Abel MOP.

8. Rehabilitation Monitoring

Rehabilitation monitoring has been occurring on the Donaldson open cut rehabilitated lands for several years.

Sections 8 of both the Abel and Donaldson MOPs provide a full description of the rehabilitation monitoring that will occur for each project throughout the care and maintenance period covered by this RMP. Rehabilitation monitoring methodologies are also included in these documents.

9. Compliance Protocol

9.1 Reporting for Compliance

When a non-compliance of this management plan occurs, the relevant regulatory authority will be notified. For non-compliances of the Project Approval criteria the Department of Planning and Environment will be notified as soon as the non-compliance has been identified with a report provided within 7 days of notification. A report will be provided detailing:

- Date, time and nature of exceedance / incident;
- Cause (or likely cause) of the exceedance / incident;
- Descriptions of immediate actions taken; and
- Description of proposed measures to further address the exceedance / incident, if required.

The Abel Environment and Community Relations Superintendent will be responsible for notifying the relevant authority of any non-conformances.

9.2 Contingency Plan

Where the compliance evaluation indicates non-compliance with the assessment criteria, the following actions will be undertaken:

- Identify site activities occurring during non-compliance;
- Determine the most likely source of the emissions;
- Review the process and current dust controls on site; and
- Implement an alternative to reduce emissions where feasible / practicable;

The corrective action will involve supplementary monitoring to identify the source of the noncompliance, or will involve modification of activities to avoid any recurrence or minimise its adverse effects.

9.3 Compliance Management

All complaints are investigated. Any incident or complaint regarding rehabilitation will be recorded and investigated to identify wherever possible the specific cause then corrective action will be implemented where necessary and feasible to do so. The following would be conducted:

- Review of management practices to systematically identify and implement options to modify site practices, to ensure proper rehabilitation activities to achieve compliance with this management plan.
- All complaints will be documented by appropriate personnel on the complaints register with correction action taken.

The complaints register will document the following information of each complaint:

- Date and time of complaint was lodged;
- Details of complainant (if provided);
- Nature of complaint;
- Action taken and reasoning behind action; and
- Follow up with the complainant.

The complainant will be advised of any actions implemented.

10. Accountabilities and Training

10.1 Roles and Responsibilities

Rehabilitation management roles and responsibilities are listed in Table 10-1.

Table 10-1 Roles and Responsibilities

Role	Responsibility
Operations Manager	Provide sufficient resources to manage rehabilitation related risks and progress opportunities for improvement. Identify and allocate sufficient resources to manage rehabilitation related risks by supporting RMP implementation.
Environment and Community	Oversee the implementation, monitoring and review of the RMP in accordance with applicable requirements.

Relations Superintendent	<p>Record, investigate and respond to rehabilitation related incidents and complaints in accordance with complaint and incident management procedures.</p> <p>Periodically assess rehabilitation performance.</p> <p>Provide for the training to employees and contractors for the implementation of rehabilitation related controls, systems and procedures.</p> <p>Implement, monitor and review programs, systems and procedures linked to the RMP.</p> <p>Monitor and review data collected as part of rehabilitation monitoring and assess compliance.</p> <p>Report on rehabilitation progress and management in the Annual Review's</p>
Employees	<p>Conduct work activities in a manner that minimises impacts on existing rehabilitation.</p> <p>Report impacts and risk to rehabilitation to appropriate supervisor.</p>

10.2 Awareness and Training

Donaldson Coal provides training commensurate with the roles and responsibilities of personnel outlined in Table 10-1.

Training implemented at Abel/Donaldson Mine with respect to rehabilitation management includes the following:

- Site familiarisation inductions provided to all new employees and contractors;
- Eastern Region Generic Yancoal Induction provided to all employees and contractors;
- Issue specific training sessions provided to employees and contractors as required.

11. Review Procedure

The performance of the RMP will be reviewed at least every 3 years, after an air quality incident or as requested by the Secretary. The review will include:

- A review of the monitoring results of the development over the preceding year/s;
- Identification of any failure to meet performance measures/criteria over the preceding year, and a description of what actions were (or are being) taken to ensure these are met; and,
- A description of what measures will be implemented over the coming year to improve the performance of the air quality management system.

The RMP will be reviewed within three months of the submission of a 3 year independent review and updated to the satisfaction of the Secretary where necessary. The RMP will also be reviewed and updated in consultation with the Secretary prior to the resumption of mining operations at Abel or within three months of an exceedance of the Project Approval criteria.

Any major amendments to the RMP that affect its application will be undertaken in consultation with the appropriate regulatory authorities and stakeholders. Minor changes such as formatting edits will be made with version control.

The RMP will also be revised due to:

- Deficiencies being identified;
- Introduction of additional mitigation measures or controls;
- Results from the monitoring and review program, including exceedances of criteria;
- Recommendations resulting from the monitoring and review program;
- Changing environmental requirements;
- Improvements in knowledge or technology becoming available;
- Changes in legislation;
- Identification of a requirement to alter the RMP following a risk assessment; or
- Updating of the mine operating plan.

12. Evaluating and Reporting

Donaldson Coal will adhere to the procedures and environmental management, reporting and auditing requirements in accordance with each Project Approval.

An annual review for each Project Approval will be prepared annually to review the environmental performance of the operation and include a review of rehabilitation monitoring results, complaint records, identification of rehabilitation trends, identification of discrepancies between the predicted and actual rehabilitation areas of the projects and describe measures taken to improve environmental performance.

Rehabilitation related reporting including monitoring results, plans and programs are to be provided on the Donaldson Coal website in accordance with the requirements of the Project Approvals.

13. References

13.1 Legislation

Protection of the Environment Legislation Amendment Act 2011

Protection of the Environment Operations Act 1997 (POEO)

Protection of the Environment Operations (General) Regulation 2009

Coal Mine Health and Safety Act 2002

Coal Mine Health and Safety Regulation 2006

13.2 Licences

Abel Coal Project Approval (05_0136)

Donaldson Coal Development Approval for DA 98/01173 and DA118/698/22

Donaldson Coal Mine EPL No 11080

Abel Underground Coal Mine EPL No 12856

Appendix 1

Donaldson Mining Operations Plan

Appendix 2

Abel Mining Operations Plan

Appendix 3

Flora and Fauna Management Plan

Appendix 4

Consultation Correspondence



SITE: 1132 John Renshaw Drive Black Hill 2322
 POSTAL: PO Box 2216 Greenhills 2323
 PHONE: +61 2 4015 1100
 WEBSITE: www.doncoal.com.au
 ABN 87 073 088 945

30th April 2019

Mr. Jack Murphy
 Environmental Assessment Officer
 Resource Assessments, Planning Services
 Department of Planning & Environment
 GPO Box 39
 SYDNEY NSW 2001

Dear Jack,

Re: Submission of Donaldson / Abel Draft Management Plans

Further to the Department's correspondence dated 6th December 2018 regarding the above, we advise that the Abel Coal Mine submitted the Independent Environmental Audit (IEA) Report on 11th February 2019 to the Department's Singleton Compliance Unit.

The 2018 Abel IEA triggered the revision of several management plans that are attached with this correspondence in draft format for the Department's review. Donaldson Coal has also sought comment from relevant Agencies and interested parties. Several of the Management Plans required under both PA 05_0136 (Abel Underground Mine) and DAs 118/698/22 and 98/01173 (Donaldson Open Cut) have been integrated as the relevant management actions and mitigation measures are consistent across both projects. All Management Plans have been reviewed and those listed below have been updated to reflect the current status of the operations during care and maintenance.

Below is a list of submitted management plans, together with the relevant agency that has been asked to comment.

Management Plan	Relevant Agency
Air Quality and Greenhouse Gas Management Plan	EPA
Noise Management Plan	EPA, OEH
Flora and Fauna Management Plan	NRAR, OEH, Councils
Waste Management Plan	OEH, DoP-RR
Tetradlea juncea Management Plan	OEH
Water Management Plan	EPA, NRAR
Rehabilitation Management Plan	DoP-RR, OEH, NRAR and Councils
Aboriginal Management Plan	Aboriginal Community, Councils and OEH

Please note that Management Plans required under Schedule 3 of PA 05_0136 relevant to the Extraction Plan are current and have not been revised.

The Blast Management Plan required under the Donaldson Open Cut Consent (DAs 118/698/22 and 98/01173) has not been revised as there is no longer a requirement to conduct any future blasting at the rehabilitated Donaldson Open Cut Mine.

The submitted Management Plans cover the current period of Care and Maintenance and may be updated where required prior to the recommencement of operations at the Abel Mine.

Upon receiving feedback from DP&E and relevant agencies, Donaldson Coal will review comments received and resubmit these management plans for approval.

We would appreciate if you would provide feedback on these Management Plans by the 31st of May 2019.

If you have any questions or would like to discuss these management plans, please don't hesitate to contact the undersigned on 0439 909 952.

Yours sincerely



Phillip Brown
Environment & Community Relations Superintendent
Donaldson Coal Pty Ltd

30th April 2019

General Manager
Cessnock Council
P O Box 152
CESSNOCK NSW 2325

via email: council@cessnock.nsw.gov.au

Dear Sir,

Re: Donaldson / Abel Draft Management Plan Submission

Donaldson Coal Pty Limited have recently reviewed a number of environmental management plans for the Donaldson Open Cut Mine and Abel Underground coal mines. Donaldson coal mine ceased mining operations in 2013 and Abel coal mine has been in care and maintenance since 2016, with limited activities now occurring across either site.

Several Management Plans required under both PA 05_0136 (Abel Underground Mine) and DAs 118/698/22 and 98/01173 (Donaldson Open Cut) have been integrated as relevant management actions and mitigation measures are consistent across both projects.

As the risk associated with operational mining has now been minimised, management plans have been updated to reflect the current non-operational status of the sites.

Donaldson Coal are seeking comments from Cessnock Council for the following attached management plans:

- Waste Management Plan
- Rehabilitation Management Plan

We would appreciate the provision of comments and feedback on these management plans by the 31st May 2019 to meet statutory reporting requirements under project approvals.

If you have any questions or would like to discuss these management plans, please don't hesitate to contact the undersigned on 0439 909 952.

Yours sincerely,



Phillip Brown
Environment & Community Relations Superintendent
Donaldson Coal Pty Ltd

Enc: Management Plans

Phillip Brown

From: Peter Giannopoulos <Peter.Giannopoulos@cessnock.nsw.gov.au>
Sent: Monday, 3 June 2019 2:25 PM
To: Phillip Brown
Subject: 5 1998 80022 _ Donaldson Open Cut Mine _ Management Plan Review _ Yancoal

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此信息来源于公司外部。除非您了解此电子邮件的来源并确认邮件内容是安全的，否则请不要点击链接或打开附件。

Dear Phillip

I refer to your email of the 30 April 2019, attaching your Abel Draft Management Plan Submission and associated documents.

I have referred the documents internally within Council to the relevant interested persons and have received no objection to the draft submission.

Please let me know if you need anything further.

Yours faithfully

Peter Giannopoulos | Team Leader Development Services
62-78 Vincent St | PO Box 152 | Cessnock NSW 2325
p 02 4993 4112

www.cessnock.nsw.gov.au | www.facebook.com/CessnockCityCouncil | www.twitter.com/CessnockCouncil



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30th April 2019

General Manager
Maitland Council
PO Box 220
Maitland, NSW, 2320

via email: info@maitland.nsw.gov.au

Dear Sir,

Re: Donaldson / Abel Draft Management Plan Submission

Donaldson Coal Pty Limited have recently reviewed a number of environmental management plans for the Donaldson Open Cut Mine and Abel Underground coal mines. Donaldson coal mine ceased mining operations in 2013 and Abel coal mine has been in care and maintenance since 2016, with limited activities now occurring across either site.

Several Management Plans required under both PA 05_0136 (Abel Underground Mine) and DAs 118/698/22 and 98/01173 (Donaldson Open Cut) have been integrated as relevant management actions and mitigation measures are consistent across both projects.

As the risk associated with operational mining has now been minimised, management plans have been updated to reflect the current non-operational status of the sites.

Donaldson Coal are seeking comments from Maitland Council for the following management plans (attached):

- Waste Management Plan
- Water Management Plan
- Flora and Fauna Management Plan
- Aboriginal Management Plan
- Rehabilitation Management Plan

We would appreciate the provision of comments and feedback on these management plans by the 31st May 2019 to meet statutory reporting requirements under project approvals.

If you have any questions or would like to discuss these management plans, please don't hesitate to contact the undersigned on 0439 909 952.

Yours sincerely,



Phillip Brown
Environment & Community Relations Superintendent
Donaldson Coal Pty Ltd



Our Ref: (2019/148415)

Phone Enquiries: 4934 9700
Michael Tinlin

31/05/2019

Phillip Brown
Donaldson Coal Pty Limited
PO Box 2216
GREEN HILLS NSW 2323

Delivered electronically to: Phillip.Brown@yancoal.com.au
Cc: James.Benson@yancoal.com.au

Dear sir

Re: Donaldson / Abel Draft Management Plan submission

I have examined the recently reviewed environmental management plans for the Donaldson Open Cut Mine and Abel Underground Coal Mines and find they satisfy the consent conditions.

Yours sincerely

Michael Tinlin
Environmental Programs Officer

This document is not signed as it has been delivered electronically.





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30th April 2019

Natural Resources Access Regulator
Department of Industry | Lands & Water
Locked Bag 5123
PARRAMATTA NSW 2124

Via email: water.referrals@nrar.nsw.gov.au

Dear Sir,

Re: Submission of Donaldson / Abel Draft Management Plans

Donaldson Coal Pty Limited have recently reviewed a number of environmental management plans for the Donaldson Open Cut Mine and Abel Underground coal mines. Donaldson coal mine ceased mining operations in 2013 and Abel coal mine has been in care and maintenance since 2016, with limited activities now occurring across either site.

Several Management Plans required under both PA 05_0136 (Abel Underground Mine) and DAs 118/698/22 and 98/01173 (Donaldson Open Cut) have been integrated as relevant management actions and mitigation measures are consistent across both projects.

As the risk associated with operational mining has now been minimised, management plans have been updated to reflect the current non-operational status of the sites.

Donaldson Coal are seeking comments from NRAR for the following management plans (attached):

- Flora and Fauna Management Plan
- Rehabilitation Management Plan
- Water Management Plan

Please note that Management Plans required under Schedule 3 of PA 05_0136 relevant to the Abel Extraction Plan are current and have not been revised.

We would appreciate the provision of comments and feedback on these management plans by the 31st May 2019 to meet statutory reporting requirements under project approvals.

If you have any questions or would like to discuss these management plans, please don't hesitate to contact the undersigned on 0439 909 952.

Yours sincerely,



Phillip Brown
Environment & Community Relations Superintendent
Donaldson Coal Pty Ltd
Enc. Management Plans



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30th April 2019

Manager Planning & Aboriginal Heritage
Office of Environment and Heritage
PO Box 488G
Newcastle NSW 2300

via email: OEH ROD Hunter Central Coast Mailbox (rog.hcc@environment.nsw.gov.au)

Dear Sir/Madam,

Re: Donaldson / Abel Draft Management Plan Submission

Donaldson Coal Pty Limited have recently reviewed a number of environmental management plans for the Donaldson Open Cut Mine and Abel Underground coal mines. Donaldson coal mine ceased mining operations in 2013 and Abel coal mine has been in care and maintenance since 2016, with limited activities now occurring across either site.

Several Management Plans required under both PA 05_0136 (Abel Underground Mine) and DAs 118/698/22 and 98/01173 (Donaldson Open Cut) have been integrated as relevant management actions and mitigation measures are consistent across both projects.

As the risk associated with operational mining has now been minimised, management plans have been updated to reflect the current non-operational status of the sites.

Donaldson Coal are seeking comments from OEH for the following management plans (attached):

- Flora and Fauna Management Plan
- Noise Management Plan
- Tetratheca juncea Management Plan
- Aboriginal Management Plan
- Waste Management Plan
- Rehabilitation Management Plan
- Water Management Plan

We would appreciate the provision of comments and feedback on these management plans by the 31st May 2019 to meet statutory reporting requirements under project approvals.

If you have any questions or would like to discuss these management plans, please don't hesitate to contact the undersigned on 0439 909 952.

Yours sincerely,



Phillip Brown
Environment & Community Relations Superintendent
Donaldson Coal Pty Ltd

Enc: management plans

Phillip Brown

From: Steven Cox <Steven.Cox@environment.nsw.gov.au>
Sent: Thursday, 2 May 2019 2:54 PM
To: Phillip Brown
Cc: Robert Gibson
Subject: RE: Management Plan Review
Attachments: Donaldson Coal - Abel Underground mine and Donaldson Open Cut Coal mine - Management Plan Review.tr5

Hi Phillip,

Thank you for providing OEH with the opportunity to comment on the various Able Underground Mine and Donaldson Open Cut Coal Mine management plans. However, OEH is currently unable to provide comment on the plans.

Please provide copies of the plans to the Department of Planning and Environment without comment from OEH.

Regards
Steven

Steven Cox
Senior Team Leader Planning
Hunter Central Coast Branch
Conservation and Regional Delivery Division
Office of Environment & Heritage
Level 4/26 Honeysuckle Drive Newcastle NSW 2300
Locked Bag 1002 Dangar NSW 2309
T 02 4927 3140
M 0472 800 088

The OEH Hunter Central Coast Branch Planning Team has a group email address: rog.hcc@environment.nsw.gov.au. Please address all further email correspondence in relation to Planning and Aboriginal cultural heritage regulation matters to this address. If appropriate, emails can be marked to the attention of your usual contact in the team.

From: Phillip Brown <Phillip.Brown@yancoal.com.au>
Sent: Tuesday, 30 April 2019 2:27 PM
To: OEH ROD Hunter Central Coast Mailbox <rog.hcc@environment.nsw.gov.au>
Cc: James Benson <James.Benson@yancoal.com.au>
Subject: Management Plan Review

Please find enclosed correspondence relating to the above.

Phillip Brown | ENVIRONMENT & COMMUNITY RELATIONS SUPERINTENDENT

Ashton Coal Operations Pty Ltd
Donaldson Coal Pty Limited

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30th April 2019

Dan Adams
Inspector Environment
Compliance Operations
Resources Regulator
PO Box 344
HRMC NSW 2310

via email: dan_adams@planning.nsw.gov.au
minres.environment@planning.nsw.gov.au

Dear Dan,

Re: Submission of Donaldson / Abel Draft Management Plans

Donaldson Coal Pty Limited have recently reviewed a number of environmental management plans for the Donaldson Open Cut Mine and Abel Underground coal mines. Donaldson coal mine ceased mining operations in 2013 and Abel coal mine has been in care and maintenance since 2016, with limited activities now occurring across either site.

Several Management Plans required under both PA 05_0136 (Abel Underground Mine) and DAs 118/698/22 and 98/01173 (Donaldson Open Cut) have been integrated as relevant management actions and mitigation measures are consistent across both projects.

As the risk associated with operational mining has now been minimised, management plans have been updated to reflect the current non-operational status of the sites.

Donaldson Coal are seeking comments from the Resource Regulator for the following management plans (attached):

- Waste Management Plan
- Rehabilitation Management Plan

We would appreciate the provision of comments and feedback on these management plans by the 31st May 2019 to meet statutory reporting requirements under project approvals.

If you have any questions or would like to discuss these management plans, please don't hesitate to contact the undersigned on 0439 909 952.

Yours sincerely,



Phillip Brown
Environment & Community Relations Superintendent
Donaldson Coal Pty Ltd

Enc: Management Plans

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