

Duralie Coal CCC Meeting

Presentation –
Company Report & Overview
of Activities

February 2024

Thomas Kirkwood
Environment & Community Superintendent

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1. Activities at The Mine

Bulk Earthworks and Closure Activities: June – December 2023

- PAF rehandle and bulk earthworks activities ceased in September 2023. Rehabilitation is scheduled to recommence following completion of DCM detailed mine closure plan.
- Geotechnical and waste rock characterisation drilling completed in December.
- Water management and dam dewatering works continued in H2 2023.
- Environmental Monitoring and Maintenance continues.



Photo: Clareval Pit, Taken January 2024.



Photo: Weismantel Pit, Taken January 2024.

2. Environmental Reporting & Regulators

Management Area	Project	Status
Reporting	<ul style="list-style-type: none"> Duralie Coal Mine Annual Review 2023 Duralie EPL 11701 Annual Return 2023 	<ul style="list-style-type: none"> The 2023 Duralie Coal Mine Annual Review was completed in September 2023. Once accepted by The Department of Planning and Environment the Annual Review will be distributed to the CCC members and placed on the Duralie Coal website. The Duralie EPL 11701 Annual Return 2023 was submitted to the EPA in September 2023. The Annual Return will be made available on the EPA's public register.
Regulator	<ul style="list-style-type: none"> Rehabilitation Management Plan Environmental Management Plans – revision for closure 	<ul style="list-style-type: none"> Duralie Coal Mine Rehabilitation Management Plan (RMP) was updated in Q1 2023. The updated RMP is available on the Duralie Coal Website. DCPL have completed revisions to the Duralie Environmental Management Plans to reflect the current closure status of the DCM. The revised plans have been progressively submitted to DPIE for approval, all submitted plans have now been approved and have been made public on the Duralie Coal Website.

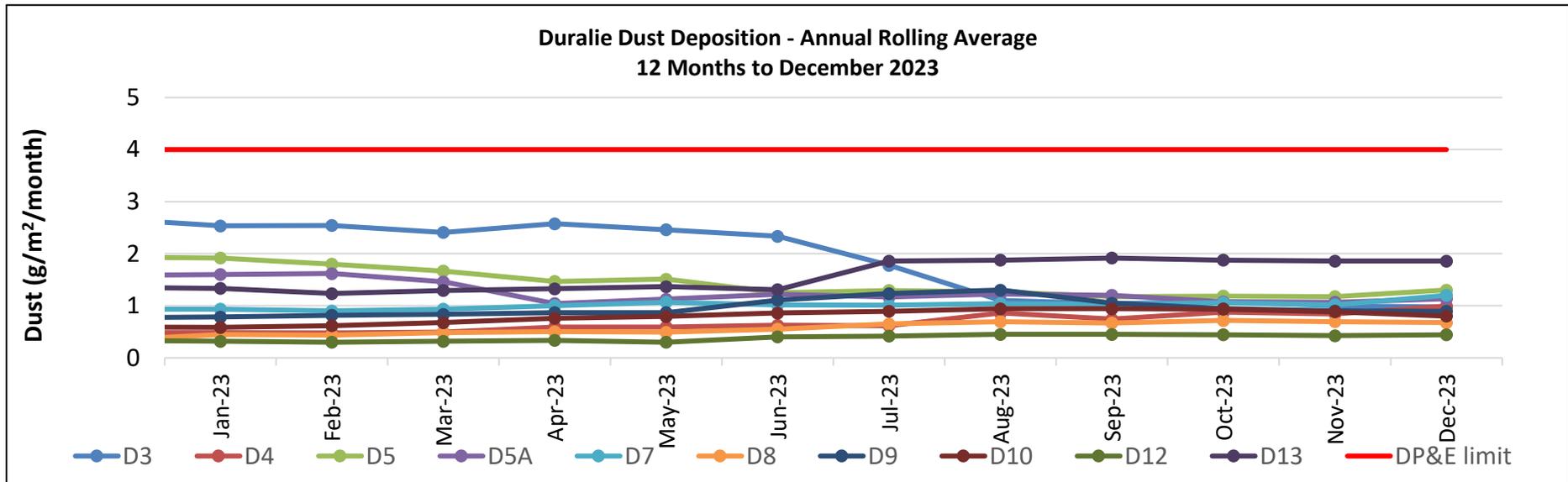
3. Environmental Management Plans & Monitoring

- a) Air Quality Management
- b) Water Management
- c) Rehabilitation Management
- d) Biodiversity Management
- e) Mine Closure Planning



3a. Air Quality Management

Management Area	Project	Status
Air quality monitoring	<ul style="list-style-type: none"> Real-time air quality system HVAS & dust gauge monitoring network. 	<ul style="list-style-type: none"> The real-time air quality TEOM monitor on Martins Crossing Rd continues to operate. General ambient PM10 dust levels have been slowly increasing due to decreased rainfall. No triggers have been received relating to bulk earthworks including rehandle and rehabilitation.



Jul-22 D3 Very heavy - 60% dirt, 30% insects and 5% sand and 5% vegetation.

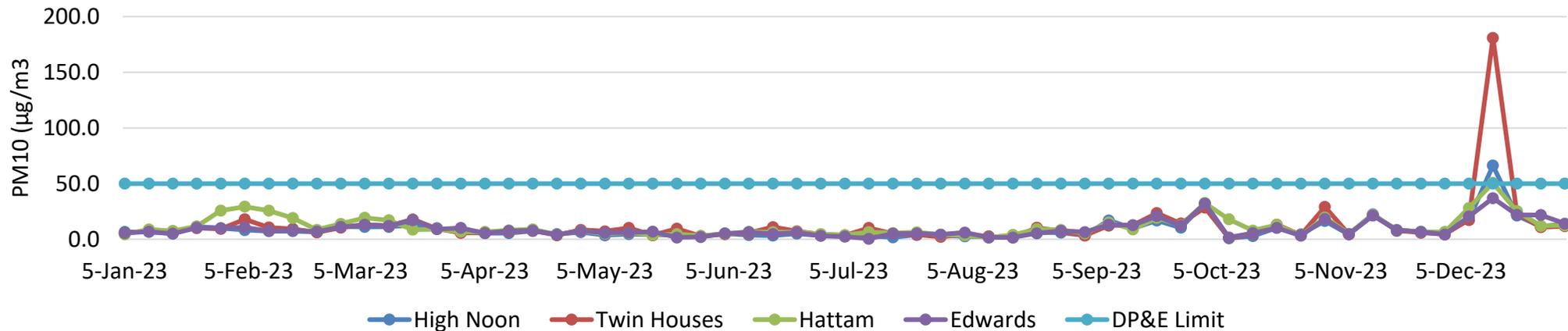
Aug-22 D3 Very heavy - 60% polysaccharide slime, 30% vegetation and 10% insects.

- Due to frequent contamination of dust gauges the HVAS results should also be used when interpreting results.

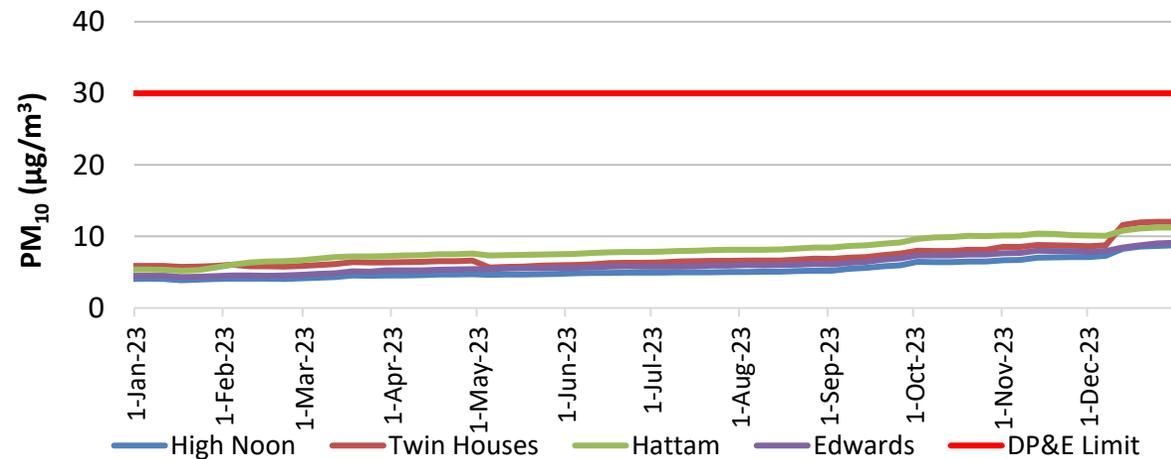


3a. Air Quality Management

Duralie HVAS Monitoring (PM10) 12 Months to June 2023



Duralie HVAS Monitoring (PM₁₀)
Annual Rolling Average - 12 Months to December 2023



- Majority sites below DPIE limit. Typically low results during winter and higher during spring/summer.
- December 2024 elevated results attributed to bushfire on Johnsons Creek Road.
- HVAS results provide more reliable data compared to dust deposition results and should be referred to when interpreting dust emissions.

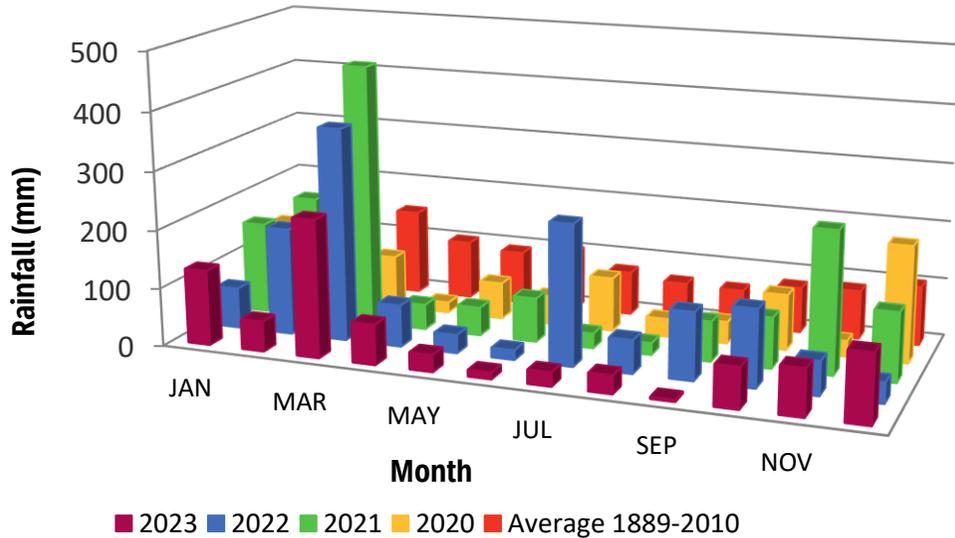


3b. Water Management

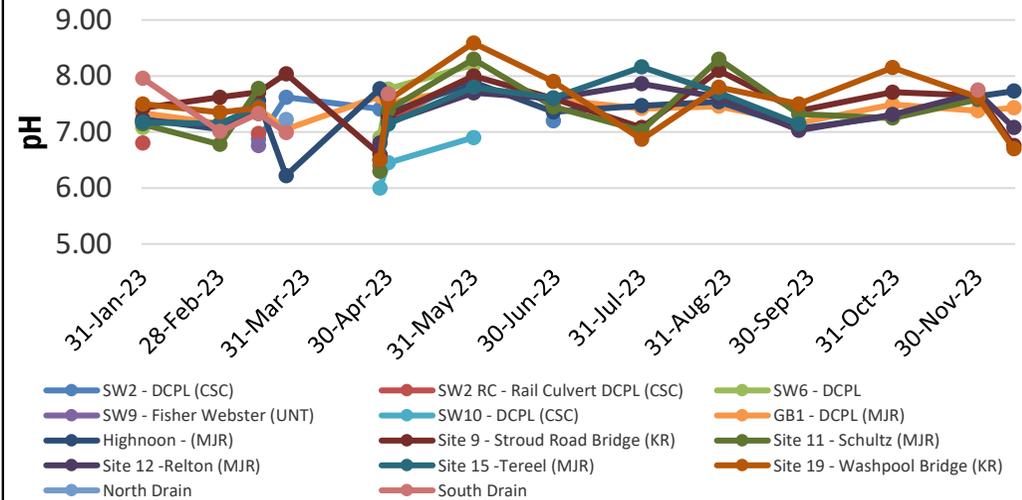
Management Area	Project	Status
Site Water Management	<ul style="list-style-type: none">Annual water balance review.	<ul style="list-style-type: none">The 2023 annual site water balance is currently being prepared. A summary will be included in the Annual Review 2023/24 and will be available on the Duralie Coal website.
Surface Water	<ul style="list-style-type: none">Routine monitoring	<ul style="list-style-type: none">Below average rainfall has been received during 2023.Routine and event surface water monitoring has been completed. All sites generally within Duralie water quality performance indicators. No obvious trending towards performance indicators.
Groundwater	<ul style="list-style-type: none">Routine monitoring	<ul style="list-style-type: none">Routine monitoring has been completed and the results continue to indicate consistency with the model trends in the Environmental Assessment.

3b. Water Management

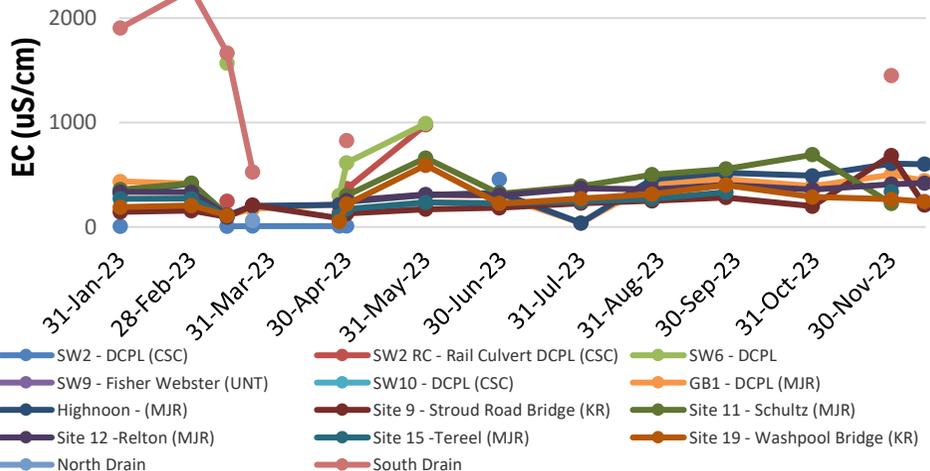
Duralie Mine - Monthly Rainfall



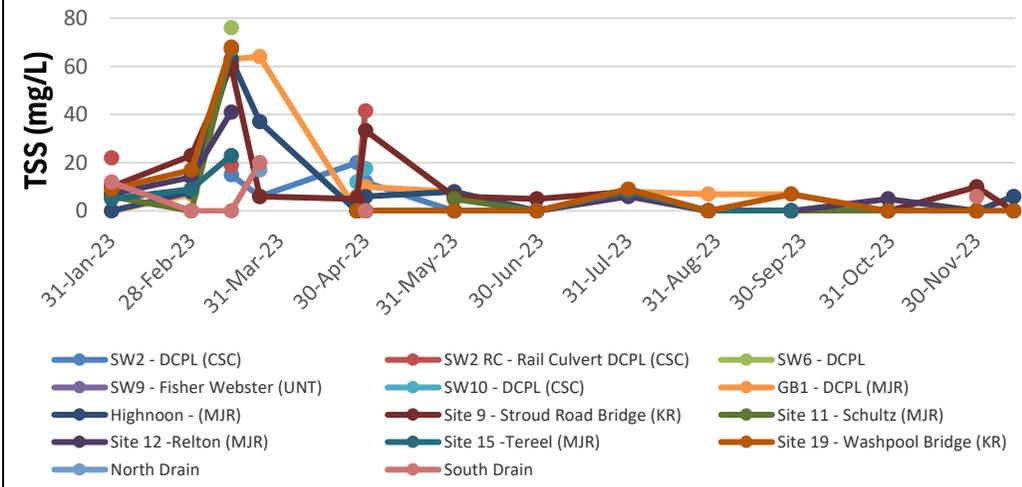
Duralie Surface Water Monitoring - pH 12 months to December 2023



Duralie Surface Water Monitoring - EC 12 Months to December 2023



Duralie Surface Water Monitoring - TSS 12 Months to December



3c. Rehabilitation Management

Management Area	Project	Status
Rehabilitated Waste emplacements	<ul style="list-style-type: none">Rehabilitation Maintenance	<ul style="list-style-type: none">Slashing of the Duralie pasture rehabilitation and removal of Acacia regrowth was completed in September 2023.Weed control including hand removal in the established native rehabilitation was completed in December 2024.
Rehabilitation Monitoring	<ul style="list-style-type: none">Vegetation Monitoring - Ecosystem Function Analysis	<ul style="list-style-type: none">Rehabilitation monitoring is scheduled to commence in April 2024. The report concluded that the revegetation works is on track to establish the desired woodlands and pasture.



Photo: Duralie Native Rehabilitation, Taken January 2024.



Photo: Duralie Pasture Rehabilitation. Taken January 2024

3d. Biodiversity Management

Management Area	Project	Status
Biodiversity Offset	<ul style="list-style-type: none"> Revegetation Planning 	<ul style="list-style-type: none"> 3 year revegetation planting and infill plan has been completed. This project will include approximately 10,000 plants planted into 17 vegetation management areas to complete revegetation in the Biodiversity Offsets and Biodiversity Enhancement Areas.
Bushfire Management	<ul style="list-style-type: none"> Bushfire Management 	<ul style="list-style-type: none"> Slashing of access tracks and fire breaks was completed in October 2023. Bushfire started in privately leased Yancoal property during an electrical storm. Yancoal worked to provide access for RFS to establish 2 emergency containment lines to prevent the fire progressing into the Biodiversity Offset Area.



Photo: Yancoal leased property, Taken December 2023.



Photo: Yancoal leased property and Biodiversity Offset Area, Taken December 2023.



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3d. Biodiversity Management

Management Area	Project	Status
Fauna	<ul style="list-style-type: none"> Nest Box Program 	<ul style="list-style-type: none"> The Annual monitoring of all nest boxes was completed in December 2023. A summary of the nest box progress will be included in the next Annual Review. Approximately 93% occupancy in the rehabilitation area has continued in the initial years of installations.
Fauna Monitoring and Control	<ul style="list-style-type: none"> Feral Animal Monitoring Feral Animal Control 	<ul style="list-style-type: none"> A feral animal survey was completed in 2023. The results of the feral animal monitoring report will partially inform control measures for Wild Dogs, Foxes, Feral Cats, and/or European Rabbits to be undertaken as part of DCMs feral animal control works. The DCM feral animal control program targeting feral cats, wild dogs and foxes has been scheduled for to Spring 2024.



Photo: Squirrel Glider leaf Nest.

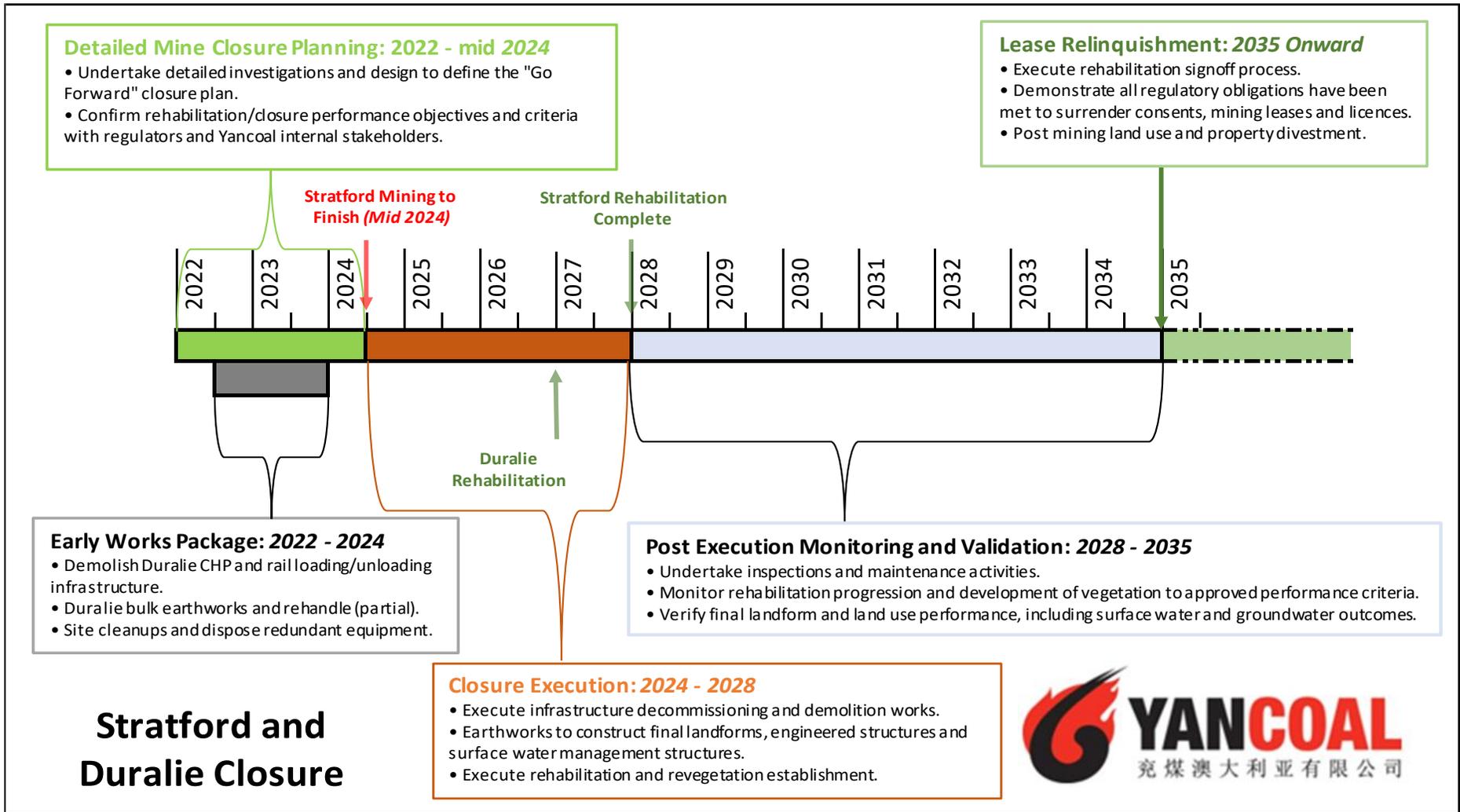
3e. Mine Closure – General Information

Mine Closure Progress

- Detailed Mine Closure Studies expected to be completed mid 2024.
- Final Landform Rehabilitation Plan will be updated following completion of internal Detailed Mine Closure Plan.
- Detailed Mine Closure Plan will inform closure works with rehabilitation works to recommence following closure planning.
- Earthworks and rehabilitation activities are planned until approximately 2027.

Consent (SSD_4966) and Mining Leases continue to be in force until the site is rehabilitated to the satisfaction of DPIE and Resources Regulator.

3e. Mine Closure Planning



3e. Mine Closure Planning

Aspect	Status
Mine Closure Planning General	<ul style="list-style-type: none"> • Detailed Mine Closure studies currently expected to be completed in mid-2024. • On-going iterations to optimise landform outcomes. • Detailed Mine Closure Planning will inform closure execution works with rehabilitation works to recommence following closure planning.
Rehabilitation	<ul style="list-style-type: none"> • The Rehabilitation Management Plan is available on the Duralie Coal website. • Yancoal and the Resources Regulator acknowledge that the currently proposed landforms may change as the closure planning program evolves. • Final Landform and Rehabilitation Plans (FLRP) will be revised following completion of Detailed Mine Closure Plan.
Environmental Management Plans, Monitoring & Maintenance	<ul style="list-style-type: none"> • Approved EMPs are publicly available on the Duralie Coal website. • Further revision may be required following completion of Detailed Mine Closure Plan. • DCPL will refine its monitoring and maintenance programs in consultation with the relevant government agencies as mine closure planning is finalised. • Post-closure monitoring and maintenance activities will continue until the specific completion criteria has been met.
Stakeholder and Community	<ul style="list-style-type: none"> • Communications with the workforce, CCC and other stakeholders will continue throughout closure. • Closure updates to the CCC will continue to be provided. • Stratford has appointed a Community Liaison Advisor assist with stakeholder engagement. • Community Support Program to prioritise community socio-economic transition projects.

3e. Mine Closure Planning

Aspect	Status
Final land use	<ul style="list-style-type: none">• The target post-mining land uses are Agricultural grazing, native vegetation and water bodies• Land uses are shown and defined in the RMP.
Final Landform	<ul style="list-style-type: none">• Landform refinements are continuing as part of the on-going mine closure planning.• Refinements are iterative, consider mine planning, landform stability, landscape evolution modelling, geochemistry and water management.• Geochemistry drilling program samples will be analysed and used to validate waste rock characterisation for use in closure planning studies.• Final Landform Design revisions will be included in future FLRP revisions.
Final Voids	<ul style="list-style-type: none">• Final Void design and water modelling is progressively being revised as part of the Mine closure plans.• design revisions and water modelling iterations will consider any landform refinements and study findings.

3e. Mine Closure Planning

Aspect	Status
Water	<ul style="list-style-type: none"> • Dewatering of AD2 to the Clareval void has been completed in preparation for future decommissioning. • Main Water Dam is now being pumped to Clareval in preparation for future rehabilitation works. • Draft designs for reduced size AD2 and MWD have been prepared. DCPL is investigating an option of further dam capacity reductions as part of closure works. • Water management, surface water and groundwater modelling is progressively being revised for rehabilitation and post rehabilitation phases. • Climate change considerations will be included.
Coal Shaft Creek Reconstruction	<ul style="list-style-type: none"> • Re-construction of the lower reaches of Coal Shaft Creek is required following the completion of mining activities. • A conceptual Coal Shaft Creek Reconstruction Plan was prepared in 2012. • An updated draft design has been prepared. The design is being reviewed including the integration with the broader closure plan prior to finalisation, including options to revised the Main Water Dam capacity. • Coal Shaft Creek reconstruction and decommissioning of the dams requires further regulatory approvals. These approvals are expected to be finalised in 2024 with works to follow.
Infrastructure	<ul style="list-style-type: none"> • Hazmat, contamination and other supporting studies for the removal of infrastructure and other assets have been undertaken. • Staged decommissioning and demolition planning is in progress. Infrastructure will be progressively decommissioned where not required to support closure works. • Infrastructure to be retained will be subject to approval by the Resources Regulator

3e. Mine Closure Planning



Waste Characterisation Drilling



AD2 - 26 October 2022



Duralie Rail Siding



Core samples



AD2 12 September 2023

4. Community Complaints

- No complaints received by the Duralie Coal Mine in Q1 and Q2 2023.

5. Community Programs

Management Area	Project	Status
Support Programs	Stratford Coal Community Support Program	<ul style="list-style-type: none"> • Since 2010, Stratford Coal has granted over \$930,000 to local community groups. • 26 local community groups have been granted support as part of the 2024 CSP funding round. • The CSP is a voluntary initiative and will continue to run until approximately 2028. • The CSP will prioritise projects that support the community's socio-economic transition.
	Stratford Coal Education Support Fund	<ul style="list-style-type: none"> • The 2024 Stratford Coal Education Support Fund applications closed on 30 January 2024. The committee will review all applications and successful applicants will be notified in Q1 2024.



Plate 3: Gloucester Junior Magpies Under 11 Rugby League team in their jerseys supported in the CSP



Plate 4: Booral Rural Fire Service and the station upgrades funded by the CSP.