

Stratford Coal CCC Meeting

Presentation –
Company Report & Overview
of Activities

February 2025

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Environment & Community Superintendent

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1. Progress at the Mine

Mining 4th Quarter 2024

Total Waste (LCM)	ROM (T)
774,453	0

Note: Waste now reported in LCM for overburden rehandle

- Ongoing overburden re-handle at BRN Pit and Roseville West Pit to achieve final landform
- Stratford East Pit has been dewatered and PAF and NAF overburden re-handle commenced in December
- Earthworks has commenced at the CHPP prior to commencement of decommissioning



Plate 1: Stratford East Pit, looking south. Taken 8 January 2025.





BRN Pit

Roseville West

2. Environmental Reporting & Regulators

Management Area	Project	Status
Reporting	<ul style="list-style-type: none"> Stratford Mining Complex Annual Review 2024 Stratford Mining Complex Annual Biodiversity Report 2024 Stratford Mining Complex Annual Rehabilitation Report 	<ul style="list-style-type: none"> The Stratford Mining Complex 2024 Annual Review is currently being compiled. The Annual Review 2024 will be distributed to the CCC members and will be uploaded on the new Stratford Coal website. <i>Please note Yancoal has launched a new website on 1 Nov 2024 and there are new webpages for both Stratford and Duralie mines. We are currently in the process of updating all external URLs and references.</i> The Stratford Mining Complex 2024 Annual Biodiversity Report is currently being compiled. The Annual Biodiversity Report will be included in the 2024 Annual Review. The Annual Rehabilitation Report is currently being compiled. The report will be included in the 2024 Annual Review.
Regulator	<ul style="list-style-type: none"> Environmental Management Plans (EMPs) EPA 	<ul style="list-style-type: none"> SCPL is preparing revised Environmental Management Plans to reflect the current status of the SMC as the site transitions through closure. The EPA undertook a routine 5 yearly Environmental Risk Assessment of EPL 5161 in November 2024. The EPA's audit report is expected in Q1 2025.

3. Environmental Management Plans & Monitoring

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

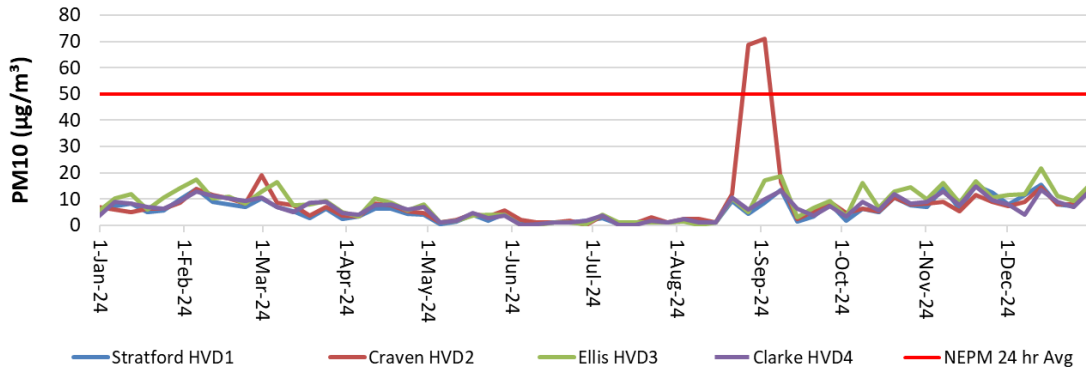


3a. Air Quality Management

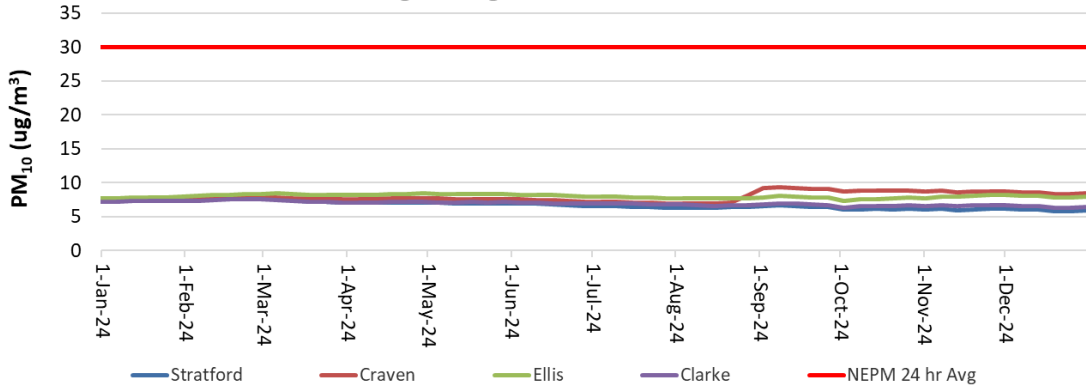
Management Area	Project	Status
Air Quality Monitoring	<ul style="list-style-type: none">Real-time air quality monitoring	<ul style="list-style-type: none">The real-time air quality TEOM monitors in Stratford and Craven villages continue to operate.Generally good overall regional air quality. All sites below limit (50ug/m³) except for Craven HVD2 which was impacted by adjacent demolition work over two weeks (August/September 2024).HVAS results provide more reliable data compared to dust deposition results and should be referred to when interpreting dust emissions.The real-time air quality management system analyses data from the TEOM units and records times when the air quality criteria is likely to be exceeded. The system will then provide alarms to staff to implement additional dust mitigation measures where required.No triggers have been received relating to mining operations.

3a. Air Quality Management

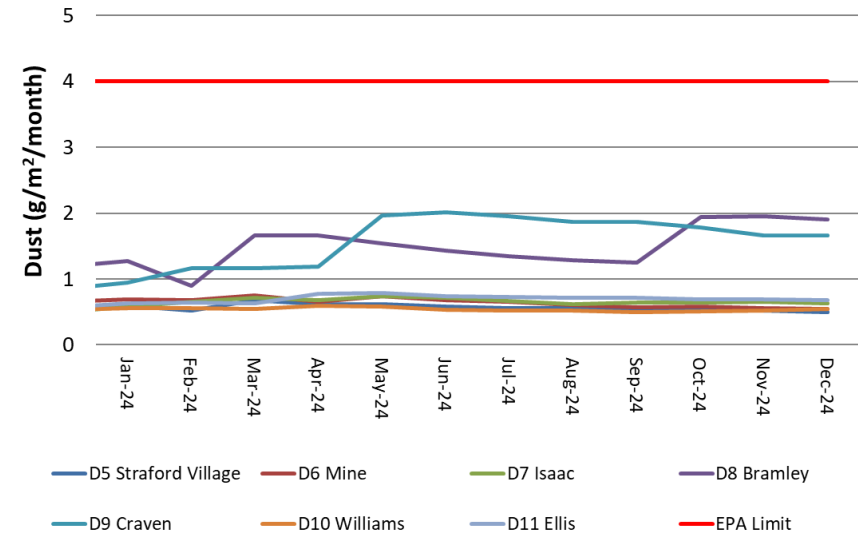
**Stratford HVAS Monitoring - Particulate Matter (PM₁₀)
12 Months to December 2024**



**Stratford HVAS Monitoring (PM₁₀)
Annual Rolling Average - 12 Months to December 2024**



**Stratford Dust Deposition - Annual Rolling Average
12 Months to December 2024**



3b. Noise Management

Management Area	Project	Status
Monitoring	<ul style="list-style-type: none"> Monthly Noise Survey Sound Power Monitoring 	<ul style="list-style-type: none"> Three monthly attended noise monitoring rounds were undertaken during Q4. No non-compliant results were recorded during the Q4 surveys. November and October reports are available on the Stratford Coal website. The next monitoring round is scheduled for February 2025. Sound Power Level Monitoring of the mobile plant fleet was completed in September 2024.
Real-Time Noise	<ul style="list-style-type: none"> Real-Time Noise System Noise forecast reports 	<ul style="list-style-type: none"> Real-time noise monitors continue to operate near Stratford Village and Craven Village. The integrated real-time noise management analyses data from the noise units, the weather station and the inversion towers and records times when either the noise criteria is likely to be exceeded or when noise enhancing weather conditions are present. The system provides alarms to staff to implement additional noise mitigation measures where required. Daily predicted noise and dust forecast reports are generated and are issued to the mining supervisors prior to each shift.



3c. Water Management

Management Area	Project	Status
Water Management	<ul style="list-style-type: none"> Avon North and Stratford East Pumping 	<ul style="list-style-type: none"> Stratford East Pit has been dewatered Water transfers to Avon North from Old Main Pit (OWP) and RVW.
Surface Water Monitoring	<ul style="list-style-type: none"> Routine monitoring 	<ul style="list-style-type: none"> Routine water sampling continued. All results consistent with the SMC Environmental Assessment predictions. Average rainfall was received during Q4 2024.



Plate 1: Avon North Pit Water Storage, looking south
September 2024



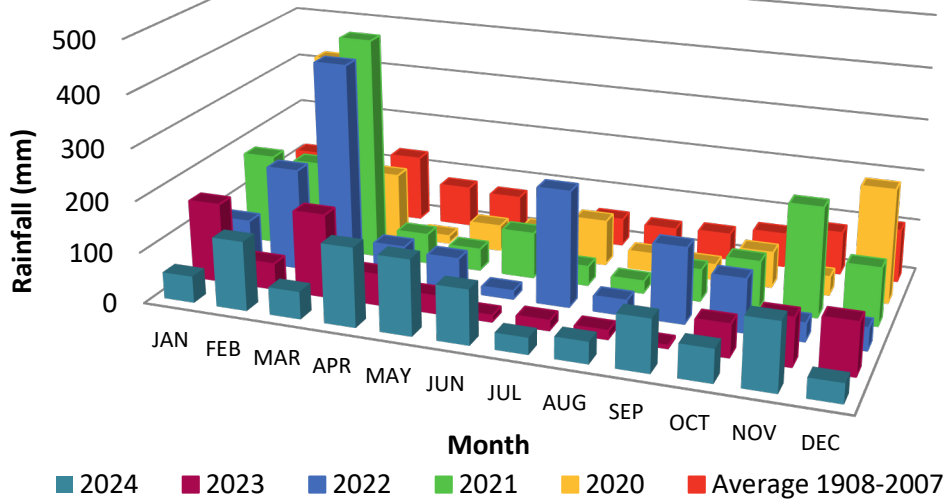
Plate 2: Avon North Pit Water Storage, looking north
January 2025



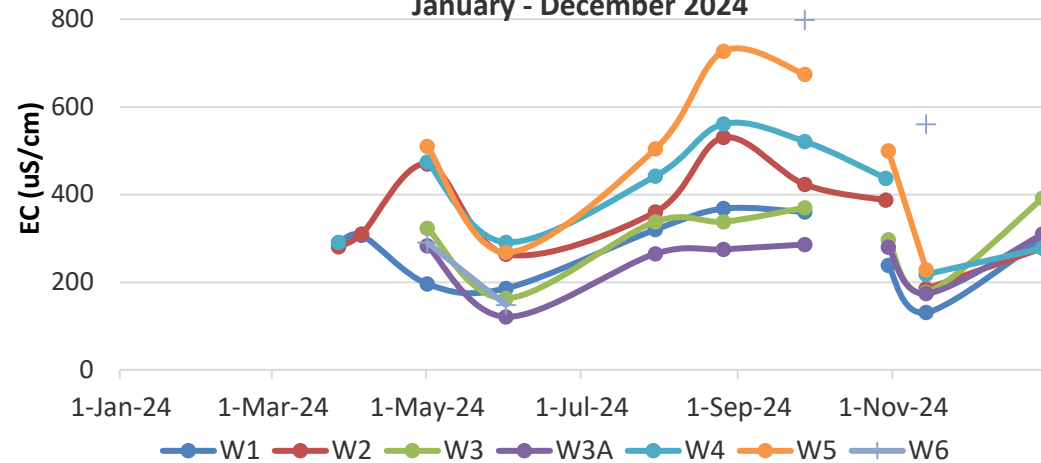
3c. Water Management

Note: Gaps in data approx. between September 2023 and February 2024 are due to monitoring sites have no flow

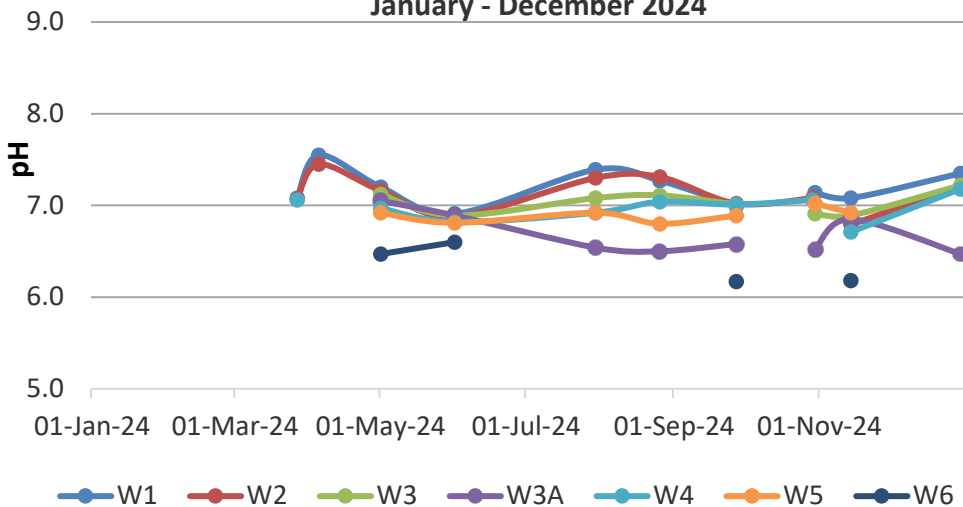
Stratford Mining Complex - Monthly Rainfall



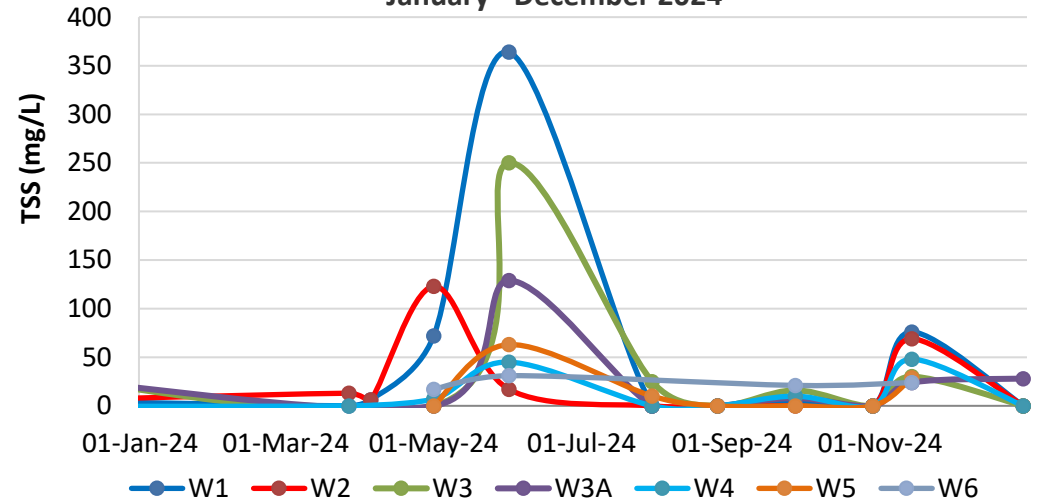
Electrical Conductivity (EC) Avon River & Avondale Creek January - December 2024



pH Avon River & Avondale Creek January - December 2024



Total Suspended Solids (mg/L) Avon River & Avondale Creek January - December 2024



3c. Water Management

Stratford Main Pit Water Quality 12 months to December 2024

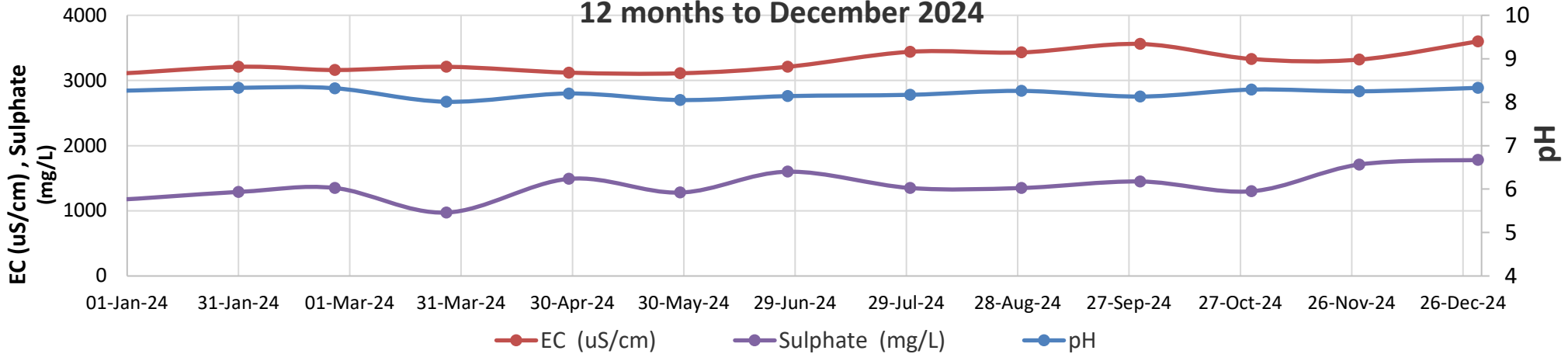


Plate 3: Stratford Main Pit, S-W aspect.



Plate 4: Stratford Main Pit, S-E aspect.



3d. Rehabilitation and Biodiversity Management

Management Area	Project	Status
Rehabilitated Waste Emplacements	<ul style="list-style-type: none"> • Backfilling and bulk-shaping 	<ul style="list-style-type: none"> • Backfilling in Roseville West Pit and Bowens Road North continued in Q4 2024. • The movement of PAF and NAF material at Stratford East Pit commenced in December and is currently ongoing.
Monitoring	<ul style="list-style-type: none"> • Vegetation Monitoring - Ecosystem Function Analysis 	<ul style="list-style-type: none"> • Rehabilitation monitoring incorporating landscape function analysis and vegetation dynamics was completed in July 2024. A summary of the results will be included in the 2024 Annual Review.
Weed Management	<ul style="list-style-type: none"> • Stratford Waste Emplacement 	<ul style="list-style-type: none"> • Manual weed removal project was completed in the Roseville rehabilitation during Q4 with additional weed spraying completed during November and December.



Plate 5: Avon North Waste Emplacement, varied native tree, shrub and grasses.



Plate 6: Main Pit Rehabilitation, exotic pasture grasses.



3e. Biodiversity Management

Management Area	Project	Status
Biodiversity Offset Area	<ul style="list-style-type: none">• Revegetation Planning• Revegetation Works	<ul style="list-style-type: none">• Three-year revegetation planting and infill plan has been completed.• Planning underway for the 2025 planting program. The 2025 program will focus on infill planting areas of lower density areas.
Nest Box Program	<ul style="list-style-type: none">• Nest Box Monitoring	<ul style="list-style-type: none">• Annual nest box monitoring was completed in November 2024.• The nest box monitoring found 200 out of the inspected 202 nest boxes were occupied or showed signs of occupancy.



Plate 1: Sugar Gliders, *Petaurus breviceps*, in a Eucalypt nest
October 2024



Plate 2: Lace Monitor, *Varanus varius*
October 2024

4. Mine Closure – Timeline



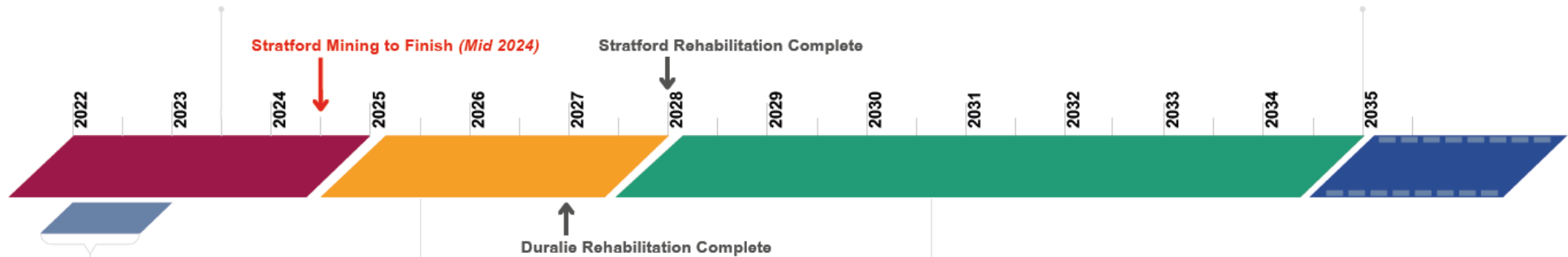
Indicative Stratford and Duralie Timeline

Detailed Mine Closure Planning: 2022 - 2025

- Undertake detailed investigations and design to define the "Go Forward" closure plan.
- Confirm rehabilitation/closure performance objectives and criteria with regulators and Yancoal internal stakeholders.

Lease Relinquishment: 2035 Onward

- Execute rehabilitation signoff process.
- Demonstrate all regulatory obligations have been met to surrender consents, mining leases and licences.
- Post mining land use and property divestment.



Early Works Package: 2022 - 2024

- Demolish Duralie CHP and rail loading/unloading infrastructure.
- Duralie bulk earthworks and rehandle.
- Site cleanups and dispose redundant equipment.

Post Execution Monitoring and Validation: 2028 - 2035

- Undertake inspections and maintenance activities.
- Monitor rehabilitation progression and development of vegetation to approved performance criteria.
- Verify final landform and land use performance, including surface water and groundwater outcomes.

Closure Execution: 2024 - 2028

- Execute infrastructure decommissioning and demolition works.
- Earthworks to construct final landforms, engineered structures and surface water management structures.
- Execute rehabilitation and revegetation establishment.

4. Mine Closure – Transition to Closure

Focus for 2025

- Detailed Mine Closure Studies
- Reshaping BRN, Roseville West and Main Pit
- Stratford East and Codam rehandle and reshaping
 - Excavator, supported by trucks and dozers
 - All rehandle expected to take until approximately end of 2027
- Rehabilitation
 - Progressive rehabilitation as areas become available
- CHPP and Rail Loop
 - Decommissioning and power/services augmentation works
 - CHPP demolition
 - Rail disconnection



4. Mine Closure Planning

Aspect	Status
General	<ul style="list-style-type: none">• Detailed Mine Closure studies currently expected to be completed in Q1 2025• Detailed Mine Closure Plan will inform closure execution works• Consent (SSD_4966) and Mining Leases continue to be in force until the site is rehabilitated to the satisfaction of DPHI and Resources Regulator
Rehabilitation	<ul style="list-style-type: none">• Final Landform and Rehabilitation Plans (FLRP) will be revised following completion of Detailed Mine Closure Plan• Yancoal and the Resources Regulator acknowledge that the currently proposed landforms may change as the closure planning evolves
Environmental Management, Monitoring & Maintenance	<ul style="list-style-type: none">• EMPs will be progressively reviewed and updated to reflect the stage of operations and closure works
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

4. 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
Final Landforms	<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
Final Voids	<ul style="list-style-type: none"> Final void design refinements are nearing completion for Avon North, Roseville West and Old Main Pit Iterations consider external drainage, landform refinements and water predictions
Water	<ul style="list-style-type: none"> Water management and prediction are progressively being revised for rehabilitation and post rehabilitation phases Considerations include water storages, diversions, drainage construction, rehabilitation sequencing and erosion and sediment control
Infrastructure	<ul style="list-style-type: none"> CHPP demolition to commence in 2025 with components to be transferred to other sites Rail loop disconnection and decommissioning planning 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



5. Community Complaints - Summary

Stratford Complaint Summary

Period: 1/10/2024 - 31/12/2024

Period: 3 Months

Total No. of Complaints: 1

Total No. of Complainants: 1

Date/Time of Complaint	Complainant Location	Method of Complaint	Nature of Complaint	Investigation/Outcome
29/11/2024 12:30hrs	2.4km South of potential noise source	Direct to TK mobile	Noise	<p>Complainant called the complaints line at 12:08PM. E&C Supt returned their call at 12:30PM.</p> <ul style="list-style-type: none"> Complainant stated that over the past few weeks there has been a constant low frequency hum coming from the operation at a much higher level than previously experienced, the complainant added that the noise was not consistent with earthmoving machines. The complainant stated that there was a strong vibrational factor to the noise and was much worse last night than the previous two weeks. E&C Supt noted that based on the description of the noise it appeared that the noise source would likely be a pump or generator and committed to investigating. OCE and Mining Supt agreed that the noise source is likely the Legra pump and agreed to modify operational times to shut the pump off after 5:30PM Construction of a physical noise bund surrounding the pump were completed on 2/12/2024 to allow 24 hour pumping.



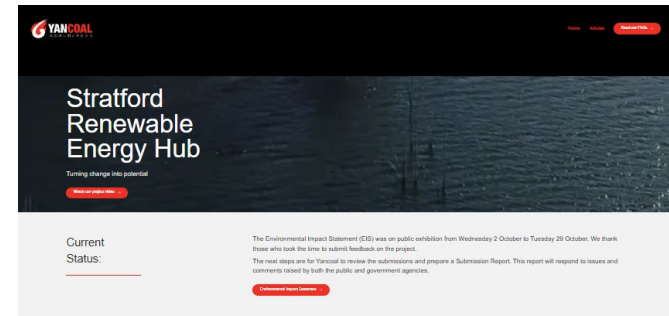
6. Community Programs

Management Area	Project	Status
Support Programs	Stratford Coal Community Support Program (CSP)	<ul style="list-style-type: none">• Applications for the 2025 Community Support Program closed in September.• Received 37 applications with 32 successful organisations receiving funding.• Presentation evening was held in January.
	Stratford Coal Education Support Fund	<ul style="list-style-type: none">• Applications are currently open for the Stratford Coal Education Support Fund. Closing on the 10th February.• Successful applicants to be announced end of February.

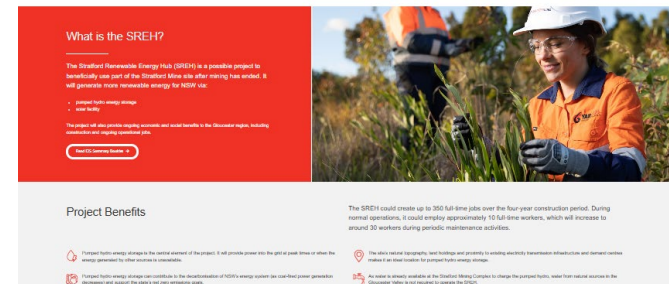
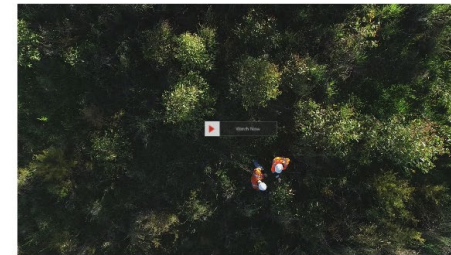


7. Stratford Renewable Energy Hub - Update

- Yancoal is currently preparing a Response to Submissions Report to address issues raised by the community and government agencies during public exhibition of the EIS
- Yancoal is aiming to have this report completed this quarter
- After which NSW DPHI will complete its assessment of the project including taking expert advice, as necessary, from the Independent Expert Advisory Panel for Energy Transition
- The Minister for Planning and Public Spaces will ultimately determine the project



SREH Project Video



More information can be found on the project website www.stratfordrenewableenergyhub.com.au (above) or NSW DPHI's website www.planningportal.nsw.gov.au/major-projects/projects/stratford-pumped-hydro-and-solar-0