

Stratford Coal CCC Meeting

Presentation –
Company Report &
Overview of Activities

February 2022

Thomas Kirkwood
Senior Environment & Community Advisor

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1. Progress at the Mine

Mining 4th Quarter 2021

	Total Waste (BCM)	ROM (T)	Product Coking (T)	Product Thermal (T)
Q4 2021	1,564,974	500,547	107,048	229,589

- Mining in Avon North continued during the quarter. Day and evening shift.
- Mining in Stratford East Pit continued during the quarter. Day and evening shift.
- BRN backfilling has continued during the quarter.
- Roseville West Pit dewatering into BRN commenced during the quarter.
- BRN to Roseville Haul road construction continued.



2. Environmental Reporting & Regulators

Management Area	Project	Status
Reporting	<ul style="list-style-type: none"> Stratford Mining Complex Annual Review 2021 Stratford Mining Complex Annual Biodiversity 2021 	<ul style="list-style-type: none"> The Stratford Mining Complex 2021 Annual Review is currently being compiled. The Annual Review 2021 will be distributed to the CCC members and will be made available on the Stratford Coal website
Regulator	<ul style="list-style-type: none"> Resources Regulator Rehabilitation Reform MOP & Rehabilitation Management Plan Environmental Management Plans 	<ul style="list-style-type: none"> The Resource Regulator has released the rehabilitation reform which will require mine sites to comply with new planning and reporting standards. Stratford is required to prepare a new Rehabilitation Management Plan and Mine Closure Plan prior to 2 August 2022. The Stratford Mining Operations & Rehabilitation Management Plan reflects the proposed mining and rehabilitation activities until December 2023. The MOP is available on the Stratford Coal website. This will be superseded by the new RMP in 2022. SCPL has prepared revisions of the Stratford Environmental Management Plans to reflect the current status of the SMC. The revised plans have been progressively submitted to DPIE for approval and will be made publicly available once approved.

3. Environmental Management Plans & Monitoring

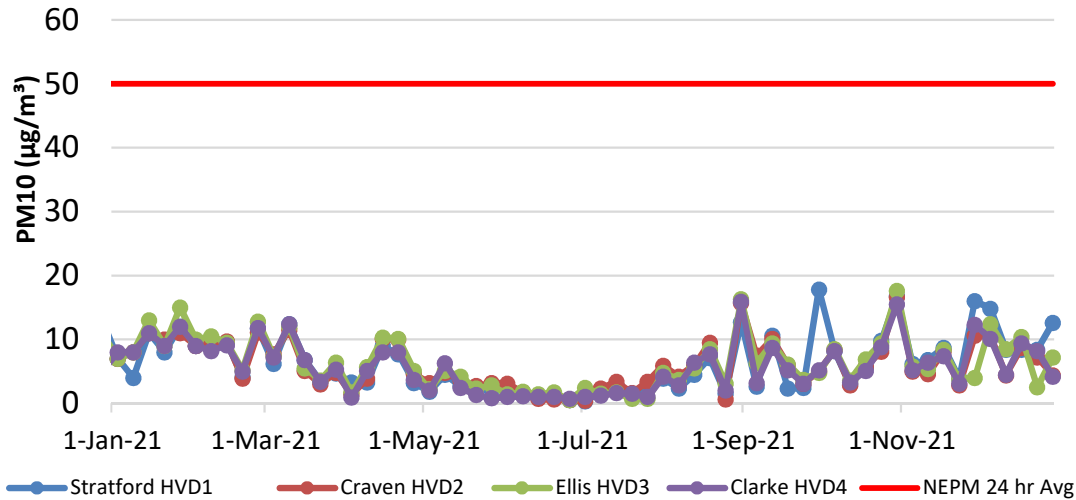
- a) Air Quality Management
- b) Blast Management
- c) Noise Management
- d) Water Management
- e) Rehabilitation Management
- f) Biodiversity Management
- g) Mine Closure Planning

3a. Air Quality Management

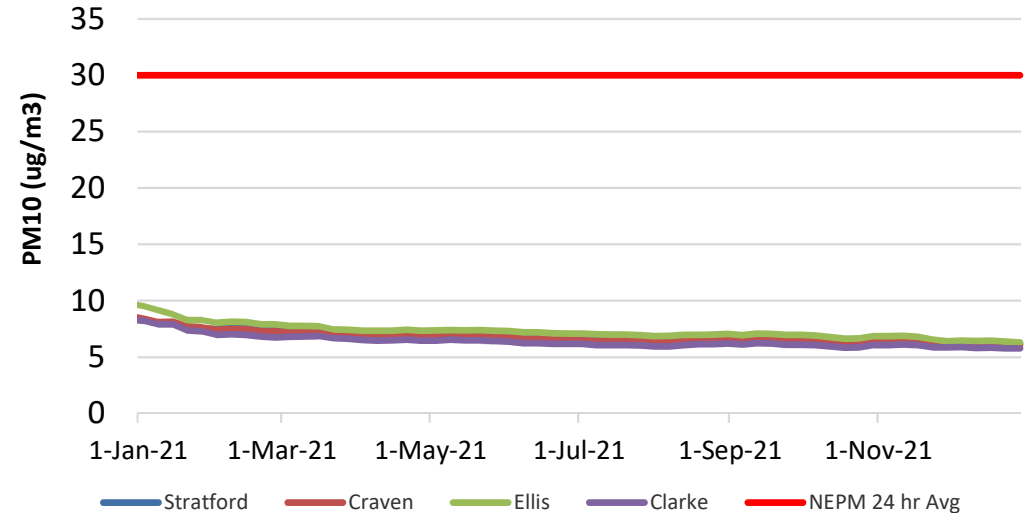
Management Area	Project	Status
Air quality monitoring	<ul style="list-style-type: none">Real-time air quality monitoring	<ul style="list-style-type: none">The real-time air quality TEOM monitors in Stratford and Craven villages continue to operate.General ambient PM10 dust levels have been very low throughout Spring/Summer due to increased rainfall.The real-time air quality management system analyses monitoring 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

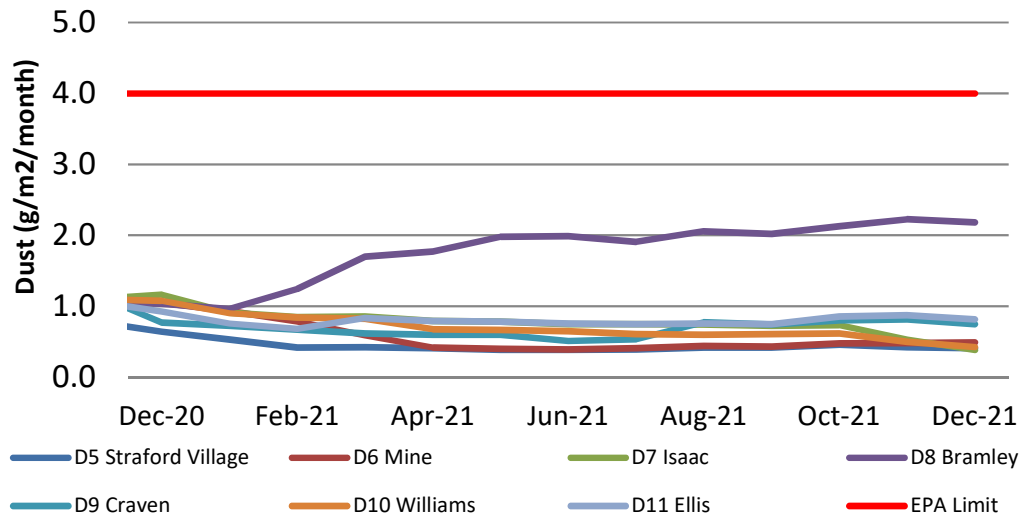
**Stratford HVAS Monitoring - Particulate Matter (PM10)
12 Months to December 2021**



**Stratford HVAS Monitoring (PM10)
Annual Rolling Average - 12 Months to December 2021**



**Stratford Dust Deposition - Annual Rolling Average
12 Months to December 2021**



- Generally good overall air quality.
- All sites below DPIE limit. Air quality results lower during months with higher rainfall.
- Consistent air quality results with minor elevation seen in HVAS results on hot and windy days.
- HVAS results provide more reliable data compared to dust deposition results and should be referred to when interpreting dust emissions.

3b. Blast Management

Management Area	Project	Status
Blasting	<ul style="list-style-type: none"> Blast Monitoring Blast Results 	<ul style="list-style-type: none"> Blasting activities continued in Avon North and Stratford East open cuts. For the current annual reporting period 2.56% of blasts (1 blast on 15/7/2021) has exceeded 115dB(L) (<i>No more than 5% of total blasts allowed to exceed the 115dbL</i>). No blasts exceeded the 5mm/s during the quarter. For the annual reporting period no blasts have exceed 5mm/s.
	<ul style="list-style-type: none"> Blasting Preparations 	<ul style="list-style-type: none"> Blast notifications have continued. Additional recipients have been added to the notification list on request. Blasting in Stratford East and Avon North currently.
Building Inspections	<ul style="list-style-type: none"> Baseline condition inspections 	<ul style="list-style-type: none"> None requested

3b. Blast Management

Location	Date	Time	Isaac (B1) 7432		Ex-Judge (B2) 7441		Atkins (B6) 7434		Greenwood 7422		Clarke (B5) (Mine-owned) 7433 (previously 7377)		Overpressur e Site Exceedance 1	Ground Vibration Site Exceedance 1	Monitored Blasts ¹
			mm/s	dBL	mm/s	dBL	mm/s	dBL	mm/s	dBL	mm/s	dBL	%	%	
Stratford East	Tuesday, 19 October 2021	12:38:00	0.26	82.3	0.31	83.0	<0.24	<114	0.48	92.6	0.47	95.6	3.85%	0.0%	26
Avon North	Monday, 25 October 2021	12:43:00	<0.24	<114	0.27	83.0	0.26	95.3	<0.24	<114	0.81	110.5	3.70%	0.0%	27
Avon North	Wednesday, 3 November 2021	12:39:00	0.27	103.5	0.37	83.0	<0.24	<114	<0.24	<114	1.79	110.3	3.57%	0.0%	28
Stratford East	Monday, 8 November 2021	12:37:00	<0.24	<114	<0.24	<114	<0.24	<114	0.44	94.8	0.45	87.3	3.45%	0.0%	29
Avon North	Wednesday, 10 November 2021	12:48:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	3.33%	0.0%	30
Avon North	Friday, 19 November 2021	12:50:00	0.32	82.3	0.47	83.0	<0.24	<114	<0.24	<114	<0.24	<114	3.23%	0.0%	31
Avon North	Wednesday, 1 December 2021	12:35:00	0.28	85.8	0.43	83.0	0.38	98.1	<0.24	<114	1.12	109.9	3.13%	0.0%	32
Stratford East	Friday, 3 December 2021	12:44:00	<0.24	<114	0.24	83.0	<0.24	<114	0.26	100.8	<0.24	<114	3.03%	0.0%	33
Avon North	Thursday, 9 December 2021	10:18:00	<0.24	<114	0.34	86.5	0.28	91.2	<0.24	<114	<0.24	<114	2.94%	0.0%	34
Stratford East	Tuesday, 14 December 2021	12:44:00	<0.24	<114	<0.24	<114	<0.24	<114	0.34	102.9	<0.24	<114	2.86%	0.0%	35
Avon North	Friday, 17 December 2021	12:33:00	0.26	76.3	0.27	83.0	<0.24	<114	<0.24	<114	<0.24	<114	2.78%	0.0%	36
Avon North	Wednesday, 22 December 2021	12:13:00	<0.24	<114	0.28	83.0	0.33	92.8	<0.24	<114	0.87	112.6	2.70%	0.0%	37
Avon North	Friday, 7 January 2022	12:32:00	0.33	93.2	0.31	83.0	<0.24	<114	<0.24	<114	0.99	109.9	2.63%	0.0%	38
Stratford East	Thursday, 13 January 2022	12:41:00	0.23	88.3	<0.24	<114	<0.24	<114	0.64	110.2	0.48	79.4	2.56%	0.0%	39

- Note: Blast Compliance: No more than 5% of total blasts for annual monitoring period to exceed an overpressure of 115 dBL or ground vibration of 5 mm/s. No blast is to exceed an overpressure of 120 dBL or ground vibration of 10 mm/s.
- Note: Where no trigger is recorded the results indicate <0.22mm/s and <110.0dBL corresponding to the blast monitor settings.
- Note: Blast results for Clarke are extrapolated to the next nearest non-mined owned residence.

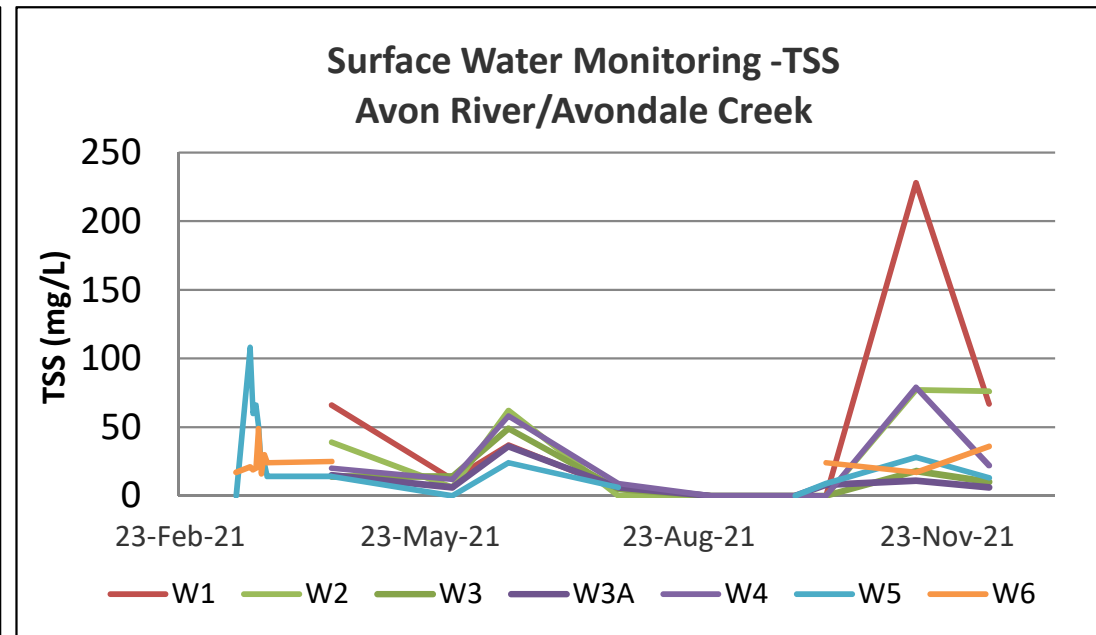
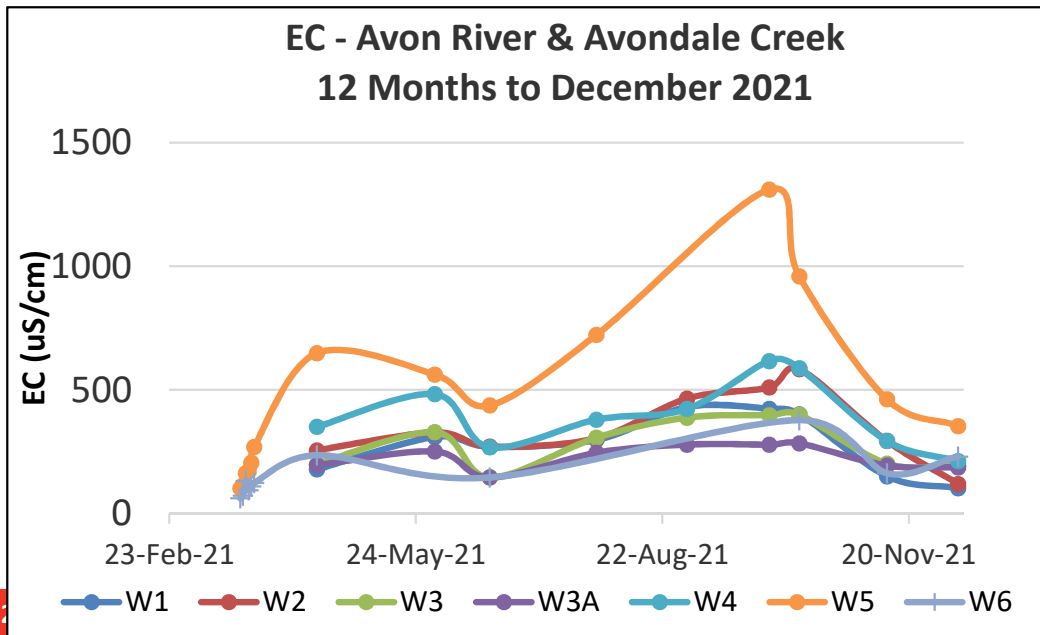
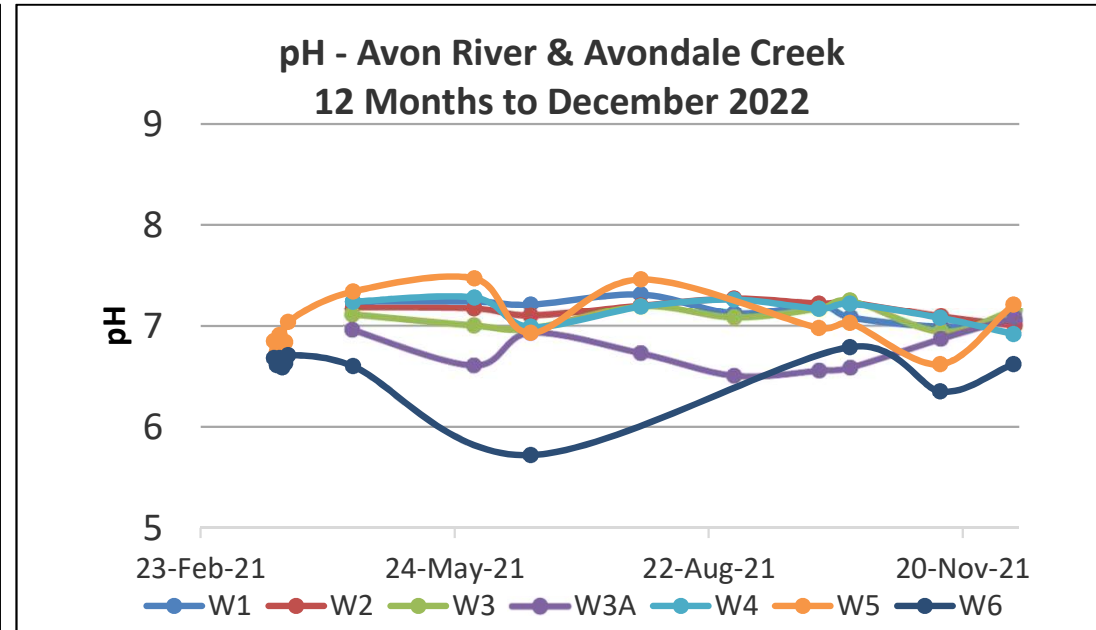
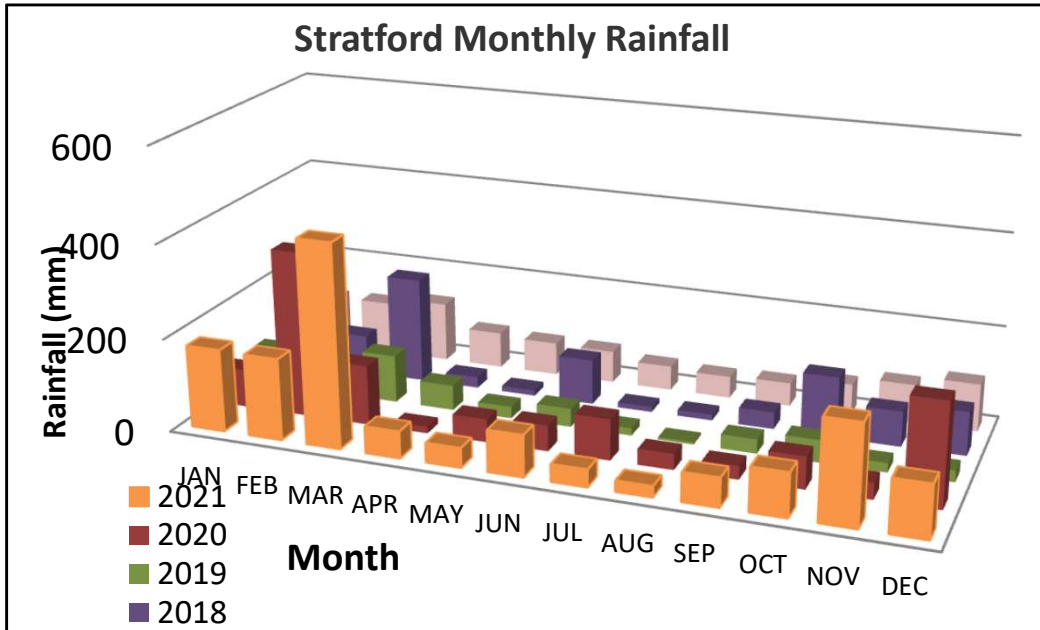
3c. Noise Management

Management Area	Project	Status
Monitoring	<ul style="list-style-type: none"> Monthly Noise Survey 	<ul style="list-style-type: none"> Monthly attended noise monitoring was undertaken during Q4 2021. No non-compliant results were recorded during the surveys. Reports have been made available on the Stratford Coal website. The next monitoring is scheduled in February 2022
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 system is operational. The system analyses monitoring 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 will then provide 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.

3d. 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 2021 annual site water balance is currently being completed. A summary will be included in the Annual Review 2021.
Water management Structures	<ul style="list-style-type: none"> Stratford East clean water diversion drain 	<ul style="list-style-type: none"> The Stratford East Stage 3 clean water diversion has been completed.
	<ul style="list-style-type: none"> Avondale Creek haul road culvert crossing 	<ul style="list-style-type: none"> Construction has continued in Q4 2022 for the new haul road linking BRN and Roseville West pits including a culvert crossing of Avondale Creek. Works are expected to be completed in February 2022.
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 SCM Environmental Assessment predictions. Above average rainfall was received during Q4 2021. Elevated electrical conductivity results were seen a surface water monitoring point 5. deemed to be due to semi stagnation of the pools of water adjacent to the monitoring point.
	<ul style="list-style-type: none"> Macro-invertebrates 	<ul style="list-style-type: none"> Macro-invertebrate monitoring was undertaken in September 2021 and continues to show no identified impacts from the Stratford mining operations on aquatic ecosystems.
Groundwater Monitoring	<ul style="list-style-type: none"> Routine monitoring 	<ul style="list-style-type: none"> Routine groundwater sampling continued. All results consistent with the SCM Environmental Assessment predictions.

3d. Water Management



3e. Rehabilitation Management

Management Area	Project	Status
Rehabilitated Waste Emplacements	<ul style="list-style-type: none"> • BRN backfilling and bulk-shaping • Rehabilitation Maintenance 	<ul style="list-style-type: none"> • Mining in the BRN pit was finalised in June 2021 and backfilling is continuing to progress. • Bulk shaping with a D11 dozer is progressing concurrently to achieve the final landform design. • Manual weed removal scheduled for Q1 2022.
	<ul style="list-style-type: none"> • Native rehabilitation infill planting. 	<ul style="list-style-type: none"> • Infill planting with tubestock in existing rehabilitation areas will be undertaken in March 2022. Planting areas will include BRN Rehabilitation area, Roseville West Rehabilitation area and Stratford Main Pit Rehabilitation area.



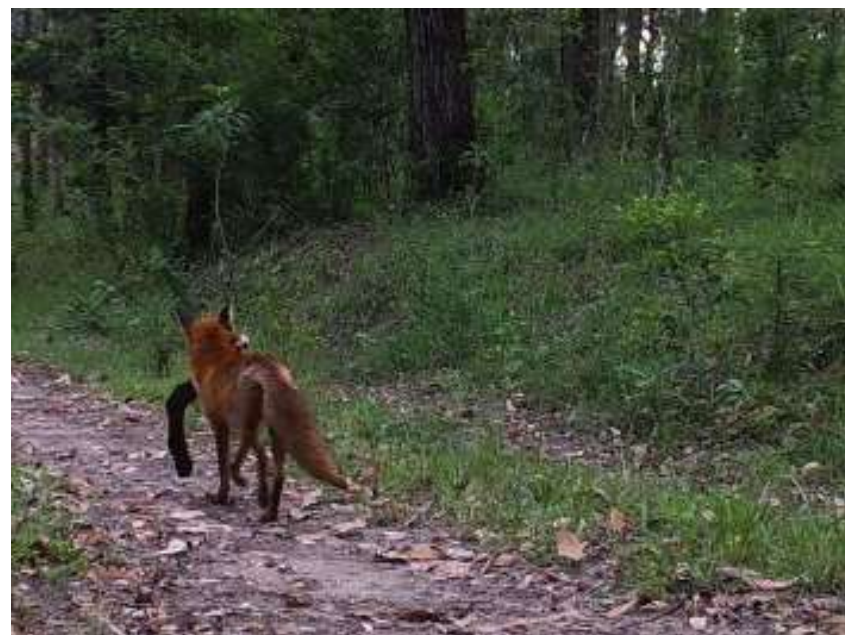
3e. Biodiversity Management

Management Area	Project	Status
Biodiversity Offset Area	<ul style="list-style-type: none"> Revegetation Planning Revegetation works 	<ul style="list-style-type: none"> Planning has been finalised for the revegetation works scheduled in Q2 2022. Planting areas will include offset properties near Woods Rd and Stratford Village. Additional plantings will be undertaken along Wenham Cox Rd, BRN Rehabilitation area, Roseville west Rehabilitation area and Stratford Main Pit Rehabilitation area. Native seed supply has been arranged and tubestock is currently being propagated by the nurseries. Approximately 21,291 trees over 88.77 hectares will be planted.



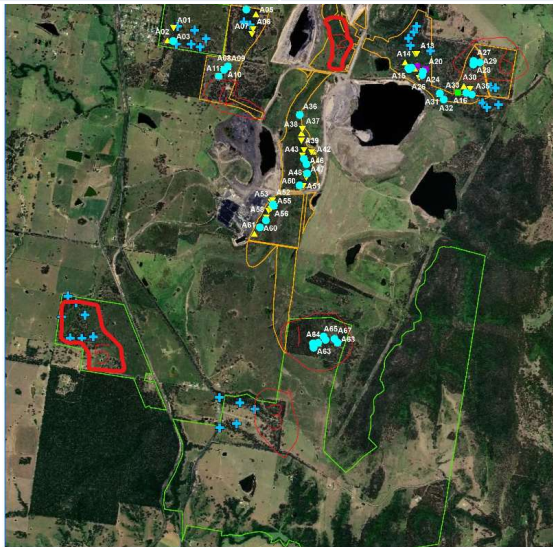
3e. Biodiversity Management

Management Area	Project	Status
Weed Control	<ul style="list-style-type: none">• Weed spraying program	<ul style="list-style-type: none">• Weed spraying has recommenced in the Stratford Biodiversity Area and Stratford Mining Lease areas in October. Weed spraying has continued through January and February in the Duralie Biodiversity Offset area targeting Blackberry, Crofton weed, Tobacco bush, Privet and Lantana.
Pest Control	<ul style="list-style-type: none">• Wild Dog control program	<ul style="list-style-type: none">• Wild dog and fox trapping was completed in October 2021, Trapping efforts covered all Stratford Coal owned properties including biodiversity offsets and Mining Leases. 6 Wild Dogs and 3 Foxes were captured.



3f. Biodiversity Management

Management Area	Project	Status
Nest Box Program	<ul style="list-style-type: none"> Nest Box Installation Nest box Monitoring 	<ul style="list-style-type: none"> An additional 93 Nest boxes were installed in the Stratford Biodiversity Area and Biodiversity Enhancement Area in March 2021. These nest boxes are to specifically target the Squirrel glider and other arboreal fauna. Quarterly nest box monitoring was undertaken in July and September 2021. Monitoring in September 2021 showed 77% of nest boxes had signs of use 6 months after installation, and a total of 18 nest boxes have been occupied by Squirrel Gliders. One other threatened species recorded occupying nest boxes was the Brush-tailed Phascogale. The Annual monitoring of all nest boxes was undertaken in October 2021. A summary of the nest box progress is included in the 2021 Annual Review.
Fauna	<ul style="list-style-type: none"> Feral animal monitoring 	<ul style="list-style-type: none"> A feral animal survey was undertaken in September 2021. The results of the feral animal monitoring will be used to guide the implementation of ongoing feral animal control programs.



Map: Current and proposed nest boxes in the Stratford Biodiversity Areas.



Photo: Family of Squirrel Gliders in nest box, January 2021.



3g Mine Closure Planning

Note: *Refer to Stratford Mining Operations Plan & Rehabilitation Management Plan Table 13 Mine Closure Planning Schedule.

*Further detail on mine closure planning progress is included in the Annual Review 2020.

Management Area	Project	Status
Mine Closure Planning General	<ul style="list-style-type: none"> Closure timing 	<ul style="list-style-type: none"> Condition 5, Schedule 2 of the SMC's Development Consent (SSD_4966) authorises mining operations to be carried at the SMC until 31 December 2025. As the SMC progresses towards the end of its approved mine life, operations and activities at the SMC over the next four years will progressively change to reflect this. Following the completion of mining operations, the Development Consent and Mining Leases then continue to be in force until SCPL rehabilitates the site in accordance with the conditions of the Development Consent and MLs to the satisfaction of DPIE and the Resources Regulator.
Mine Closure Planning General	<ul style="list-style-type: none"> Mine Closure Planning Program 	<ul style="list-style-type: none"> SCPL has established a Mine Closure Planning Program in the MOP in Section 10 and Table 13. IEMA was engaged in June 2021 to assist preparing an updated Mine Closure Planning Program. The Mine Closure Planning Program is intended to provide a strategy and a description of all the works required to develop the Final Closure Plan. The Mine Closure Planning Program will provide a higher level of detail than the current MOP Mine Closure Planning Program.
Closure Risk Assessment	<ul style="list-style-type: none"> Mine Closure Risk Assessment review 	<ul style="list-style-type: none"> A review of the Stratford Mining Complex Rehabilitation and Mine Closure Risk Assessment was undertaken in August 2021. The outcomes of the risk assessment will be used to develop an updated actions register which will form this basis of the Mine Closure Planning Program.
Rehabilitation Management Plan	<ul style="list-style-type: none"> Rehabilitation Management plan, including closure plan 	<ul style="list-style-type: none"> The Stratford Mining Complex Rehabilitation Management Plan, including closure plan is due for submission to the Resources Regulator prior to 02 August 2022.

3g Mine Closure Planning

Management Area	Project	Status
Stakeholder and Community	<ul style="list-style-type: none"> Stakeholder engagement 	<ul style="list-style-type: none"> Communications with the CCC regarding mine closure planning is ongoing through the life of the project. This presentation will continue to be updated to provide relevant information through the CCC forum. The Mine Closure Planning Program includes requirements for the development of the following strategies: <ul style="list-style-type: none"> Stakeholder Consultation Strategy, Community Engagement Strategy, Human Resources Strategy
Rehabilitated Landforms	<ul style="list-style-type: none"> Landform design and stability 	<ul style="list-style-type: none"> SCPL will continue to prepare the detailed final landform designs for the waste emplacement areas. Xenith Consulting has prepared a refined final landform design based on the latest aerial survey and proposed mining schedules for the remaining life of mine. This landform will be included in the new RMP.
Water Management	<ul style="list-style-type: none"> Site water Balance 	<ul style="list-style-type: none"> SCPL will review the site water balance and final landform drainage design to ensure comparable drainage density to local natural landforms.
Final Voids	<ul style="list-style-type: none"> Water management and final void water balance 	<ul style="list-style-type: none"> SCPL is currently reviewing the final void closure requirements and preparing final void closure criteria for inclusion in the new RMP. Review of the final void site water balance is currently being prepared to ensure the balance incorporates the final landform design, surface water inflows and outflows to/from final void. Further review work is required.
	<ul style="list-style-type: none"> Groundwater Model 	<ul style="list-style-type: none"> Post-mining groundwater model verification is currently being undertaken to incorporate final void design and update the groundwater model. This work is being undertaken in conjunction with the final void water balance.
Rehabilitation Resources	<ul style="list-style-type: none"> Topsoil Resources 	<ul style="list-style-type: none"> A topsoil stockpile update was undertaken in July 2020 to ensure adequate topsoil is available for rehabilitation. The rehabilitation resources register will be updated throughout mining operations and closure.
Biodiversity Offset	<ul style="list-style-type: none"> Biodiversity Offset Integration 	<ul style="list-style-type: none"> Integration of the biodiversity offset strategy is a key component of the rehabilitated final land form and land use. SCPL will undertake an assessment of the SMC Biodiversity Offset Areas and Biodiversity Enhancement Areas to confirm completion of the Biodiversity Offset Strategy completion criteria and integration with the SMC rehabilitation.
Environmental Management Plans	<ul style="list-style-type: none"> EMP reviews for closure stage 	<ul style="list-style-type: none"> The EMPs will be progressively reviewed and updated as required, to reflect the current stage of operations and the ongoing rehabilitation and mine closure requirements. Identify post-closure environmental monitoring and maintenance requirements. Prepare detailed performance and completion criteria for mine closure.

4. Community Complaints - Summary

Stratford Complaint Summary

Period: 26/10/2021 - 31/01/2022

Period: 3 Months

Total No. of Complaints: 0

Total No. of Complainants: 0

Date/Time of Complaint	Complainant Location	Method of Complaint	Nature of Complaint	Investigation/Outcome

5. Community Programs

Management Area	Project	Status
Support Programs	Stratford Coal Community Support Program	<ul style="list-style-type: none"> The application period for the Stratford Coal Community Support Program for 2022 has now closed. A review of the applications is currently being undertaken and notification to the successful applicants is expected in February 2022.
	Stratford Coal Education Support Fund	<ul style="list-style-type: none"> The 2022 Stratford Coal Education Support Fund applications closed on 30 January 2021. The committee will review all applications and successful applicants will be notified in Q1 2022

em POWERING COMMUNITY SUPPORT

Yancoal Community Support Program call for applications
 Stratford Duralie Coal Mine is a proud and active member of the Local community. Yancoal's 2022 Community Support Program offers community groups the opportunity to apply for funding to support projects, events and initiatives that help make a genuine positive difference to Gloucester, Stroud and District.

If you have a project or idea with the potential to benefit others across the areas of health, community, environment, arts, culture, education or training, please visit: www.stratfordcoal.com.au or www.duraliecoal.com.au

NEED FUNDING TO HELP IMPROVE OUR LOCAL COMMUNITY?

Yancoal Community Support Program
 Applications close on 30th November 2021

YANCOAL
 DURALIE COAL MINE

