

# Stratford Coal CCC Meeting

Presentation –  
Company Report &  
Overview of Activities

May 2020

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Superintendent

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# Covid-19

Covid-19 pandemic has been Risk Assessed with significant measures undertaken on-site to protect and safeguard the health of our team members from infection and to protect our ability to operate our core business. Measures on site include but are not limited to:

- Access approval questionnaire
- 1.5m social distancing
- Maximum occupancy for each room identified
- Body temperature monitoring
- Alternate working arrangements- work from home
- Staggered shift change
- No face to face meetings
- Additional PPE



# 1. Progress at the Mine

## Mining 1<sup>st</sup> Quarter 2020

- Waste BCM 1,643,826 BCM
- Stratford ROM Coal 158,816 tonnes (Includes Codam)
- Total CHPP product 97,379 tonnes
- Mining in Avon North continued during the quarter. Day and evening shift.
- Mining in the Roseville West Pit continued during the quarter. Dayshift only.
- Mining commenced in Stratford East Pit. Day and evening shift (evening shift commenced 6<sup>th</sup> April).
- No mining activities at Duralie. Rehabilitation work only.



# Tenements

## Exploration Licence Application (ELA) No.5910

- Yancoal has lodged the ELA over its existing Mining Lease ML 1447
- ML 1447 was only granted for ancillary mining activities and not mining production activities.
- An ELA is the first step in the application process potentially allowing approved mining to progress.
- To be compliant with the Mining Act 1992 (NSW), an Exploration Licence must be in place for a Mining Lease for mining production to be granted.

## Assessment Lease Application (ALA) No. 74

- Yancoal has lodged the ALA over part of their three existing exploration licences: Exploration Licence No. 6904; Authorisation No. 311; and Authorisation No. 315.
- An ALA is different to an Exploration Licence because the work programs focus more on assessments and studies to progress the project, rather than focussing on field activities such as exploration drilling to define the resource.

# 2. Environmental Reporting & Regulators

Management Area	Project	Status
Reporting	<ul style="list-style-type: none"> <li>Stratford Mining Complex Annual Review 2019</li> <li>Commonwealth EPBC Annual Compliance Report 2019</li> <li>Annual Biodiversity Report 2019</li> </ul>	<ul style="list-style-type: none"> <li>The Stratford Mining Complex 2019 Annual Review has been prepared and submitted to DPIE and other relevant agencies. Copies will be made available to the CCC and on the website following confirmation from DP&amp;E.</li> <li>The EPBC (2011 6176) annual compliance report was prepared and submitted to the Department of the Environment &amp; Energy in April 2020. The report is available on the Stratford Coal website.</li> <li>The Stratford Mining Complex Annual Biodiversity Report 2019 has been prepared and is available on the Stratford Coal Website.</li> </ul>
Regulator	<ul style="list-style-type: none"> <li>Conditions of Consent</li> <li>Environmental Management Plans</li> <li>Environmental Incidents</li> </ul>	<ul style="list-style-type: none"> <li>No change</li> <li>Review required following Consent modification and Annual Return submission.</li> <li>SCPL reported uncontrolled discharge events following rainfall in February and March 2020. Incident reports were provided to the regulators with their response still pending.</li> </ul>

# 3. Environmental Management Plans & Monitoring

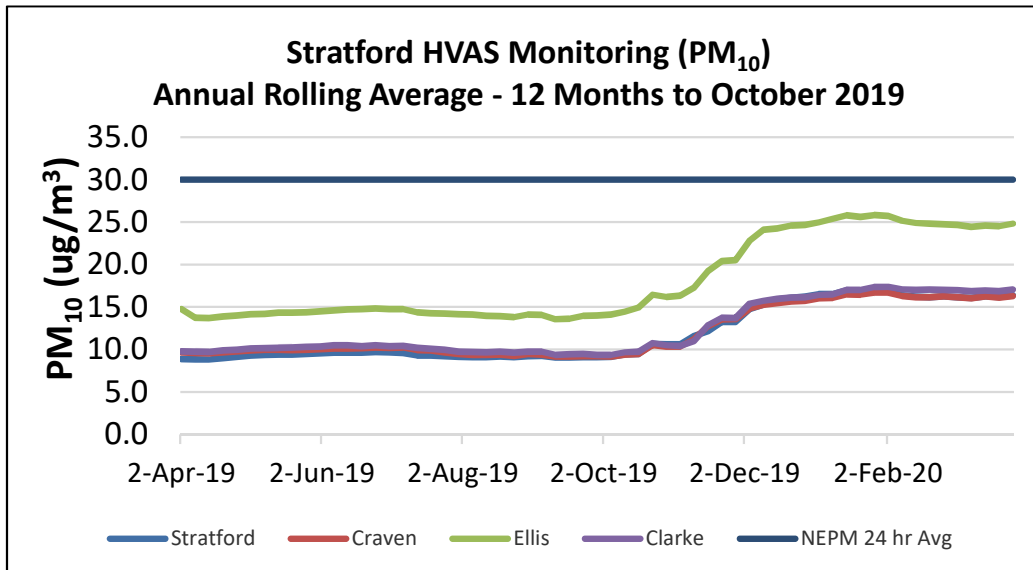
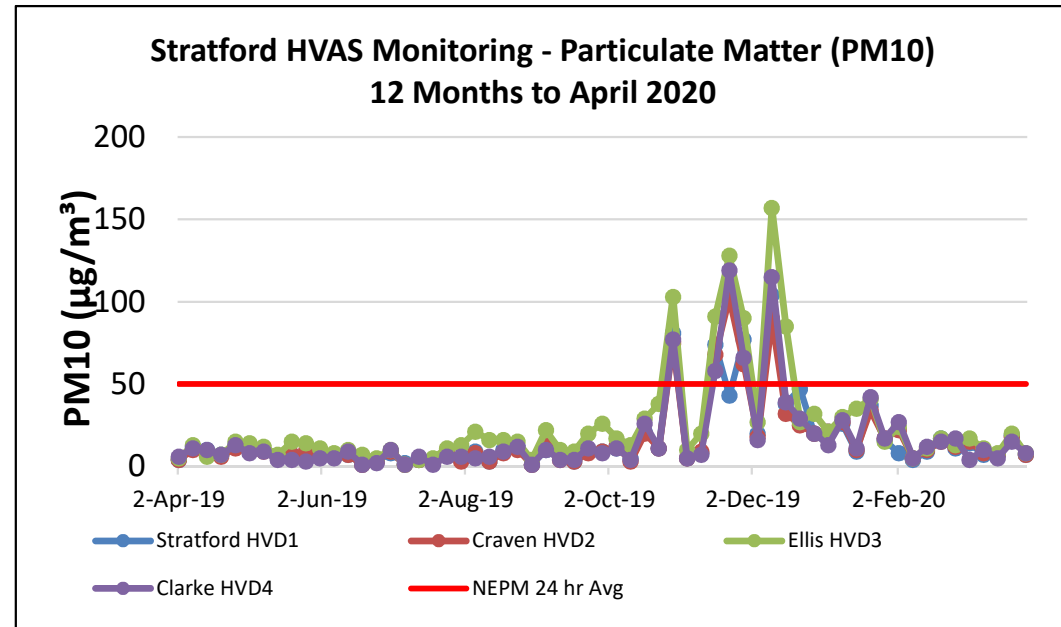
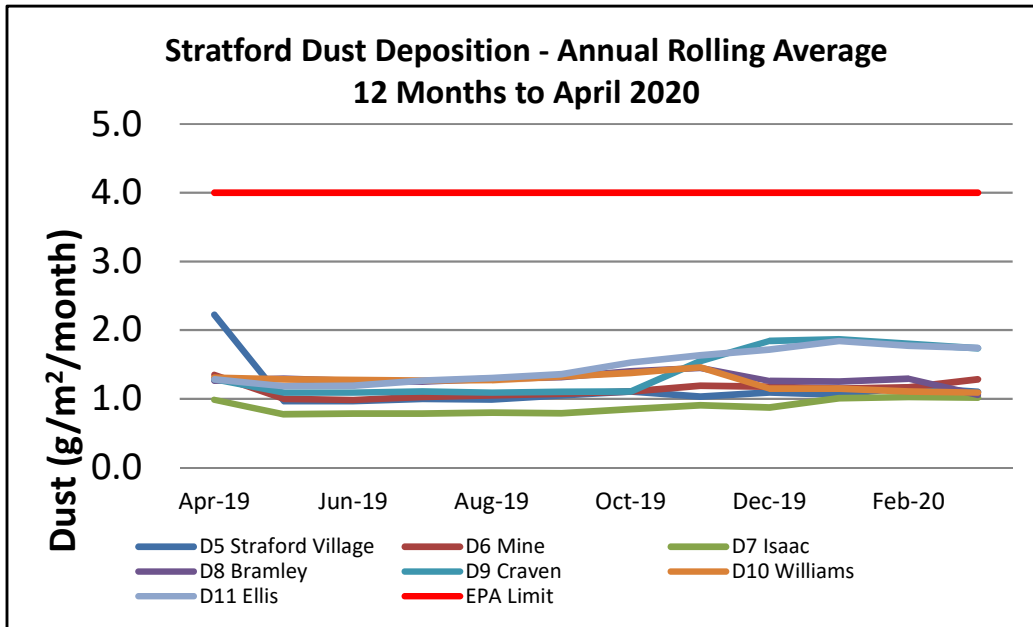
- a) Air Quality Management
- b) Blast Management
- c) Noise Management
- d) Water Management
- e) Rehabilitation Management
- f) Biodiversity Management

# 3a. Air Quality Management

Management Area	Project	Status
Air quality monitoring	<ul style="list-style-type: none"><li>Real-time air quality monitoring</li></ul>	<ul style="list-style-type: none"><li>The real-time air quality TEOM monitors in Stratford and Craven villages continue to operate.</li><li>General ambient PM10 dust levels have been elevated due to ongoing drought conditions. Elevated PM10 levels have also been recorded from smoke during recent bushfires.</li></ul>



# 3a. Air Quality Management



- Increased results in October, November and December attributable to very poor regional air quality due to bush fire smoke.
- All sites below DP&E limit. Typically low results during winter and higher during spring/summer.
- Flat trend over previous 12 months.
- 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"> <li>Blast Monitoring</li> <li>Blast Results</li> </ul>	<ul style="list-style-type: none"> <li>Blasting activities continued in both the Avon North, BRN and Roseville West open cuts with blasting commencing in Stratford East open cut from April 2020.</li> <li>For the annual reporting period 1.23% of blasts have exceed 115dB(L) (<i>No more than 5% of total blasts allowed to exceed the 115dbl</i>).</li> <li>No blasts exceeded the 5mm/s during the quarter. For the annual reporting period no blasts have exceed 5mm/s.</li> <li>One Blast recorded a Fume Rating of 2B</li> </ul>
	<ul style="list-style-type: none"> <li>Blasting Preparations</li> </ul>	<ul style="list-style-type: none"> <li>Blast notifications have continued with the addition of the location the blast is scheduled in included in notifications.</li> </ul>
Building Inspections	<ul style="list-style-type: none"> <li>Baseline condition inspections</li> </ul>	<ul style="list-style-type: none"> <li>No building inspections undertaken during the quarter.</li> </ul>

# 3b. Blast Management

Shot #	Location	Date	Time	Isaac (B1) 7432		Ex-Judge (B2) 7441		Atkins (B6) 7434		Greenwood 7422		Clarke (B5) (Mine- owned) 7433 (previously 7377)		Overpressure Site Exceedance <sup>1</sup>	Overpressure "Cumulative Exceedance" <sup>1</sup>	Monitored Blasts	Fume Rating
				24hr mm/s	dBL	mm/s	dBL	mm/s	dBL	mm/s	dBL	mm/s	dBL				
AN116	Avon North	Friday, 24 January 2020	10:09:00	<0.24	<114	<0.24	<114	0.26	102.1			0.24	85.8	2.08%	1	48	Nil
RSV291	Roseville West	Thursday, 30 January 2020	12:48:00	0.49	107.6	0.4	104.6	0.4	103.9			0.25	97.0	2.04%	1	49	Nil
AN120	Avon North	Friday, 31 January 2020	12:40:00	<0.24	<114	<0.24	<114	<0.24	<114			0.76	108.5	2.00%	1	50	Nil
RSV293	Roseville West	Tuesday, 4 February 2020	12:32:00	0.23	93.4	0.24	93.0	<0.24	<114			<0.24	<114	1.96%	1	51	Nil
AN120B	Avon North	Thursday, 6 February 2020	12:33:00	0.25	82.5	<0.24	<114	0.33	106.5			0.96	112.5	1.92%	1	52	Nil
RSV294	Roseville West	Wednesday, 12 February 2020	12:41:00	0.61	101.1	0.43	105.5	0.49	106.8			0.28	88.2	1.89%	1	53	Nil
AN124	Avon North	Thursday, 13 February 2020	12:36:00	<0.24	<114	<0.24	<114	<0.24	<114			0.5	100.8	1.85%	1	54	Nil
RSV295	Roseville West	Wednesday, 19 February 2020	12:38:00	0.49	93.4	0.41	99.9	0.43	100.5			<0.24	<114	1.82%	1	55	Nil
AN121	Avon North	Friday, 21 February 2020	12:38:00	<0.24	<114	<0.24	<114	<0.24	<114			0.41	102.7	1.79%	1	56	Nil
RSV296	Roseville West	Thursday, 27 February 2020	13:17:00	0.53	106.0	0.51	110.7	0.7	111.5			<0.24	<114	1.75%	1	57	Nil
AN126	Avon North	Friday, 28 February 2020	12:46:00	<0.24	<114	<0.24	<114	0.27	102.1			1.06	113.4	1.72%	1	58	Nil
RSV297	Roseville West	Wednesday, 4 March 2020	14:47:00	0.36	104.1	0.41	104.6	0.63	98.6			<0.24	<114	1.69%	1	59	Nil
AN128	Avon North	Friday, 6 March 2020	10:02:00	0.24	82.5	<0.24	<114	0.36	97.0			1.57	112.7	1.67%	1	60	Nil
AN126B	Avon North	Wednesday, 11 March 2020	12:40:00	<0.24	<114	<0.24	<114	<0.24	<114			0.56	106.3	1.64%	1	61	Nil
RSV298	Roseville West	Thursday, 12 March 2020	13:01:00	0.39	98.8	0.38	102.0	0.52	98.6			<0.24	<114	1.61%	1	62	Nil
AN128B	Avon North	Wednesday, 13 March 2020	12:56:00	<0.24	<114	<0.24	<114	<0.24	<114			0.48	110.2	1.59%	1	63	Nil
RSV300	Roseville West	Thursday, 19 March 2020	13:13:00	0.37	94.5	0.37	103.1	0.42	105.3			<0.24	<114	1.56%	1	64	Nil
AN129	Avon North	Friday, 20 March 2020	12:37:00	0.28	86.0	0.27	79.1	0.31	100.5			1.1	114.0	1.54%	1	65	2B
RSV301	Roseville West	Thursday, 26 March 2020	13:59:00	0.34	94.5	0.43	93.0	0.63	101.1			<0.24	<114	1.52%	1	66	Nil
AN131	Avon North	Friday, 27 March 2020	12:44:00	<0.24	<114	0.28	85.1	0.29	102.6			1.19	108.7	1.49%	1	67	Nil
RSV299	Roseville West	Monday, 30 March 2020	13:12:00	<0.24	<114	0.43	104.2	<0.24	<114			<0.24	<114	1.47%	1	68	Nil
AN133	Avon North	Tuesday, 31 March 2020	12:34:00	<0.24	<114	<0.24	<114	<0.24	<114			1.01	105.5	1.45%	1	69	Nil
STRE002	Stratford East	Friday, 3 April 2020	13:06:00	<0.24	<114	<0.24	<114	<0.24	<114	0.3	102.8	0.34	96.2	1.43%	1	70	Nil
STRE001	Stratford East	Tuesday, 7 April 2020	12:52:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.39	109.5	1.41%	1	71	Nil
STRE001A	Stratford East	Thursday, 9 April 2020	12:43:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.41	95.3	1.39%	1	72	Nil
STRE004B	Stratford East	Wednesday, 15 April 2020	15:08:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.26	102.2	1.37%	1	73	Nil
RVL302	Roseville West	Thursday, 16 April 2020	13:33:00	0.44	93.4	0.31	97.1	0.44	100.5	<0.24	<114	<0.24	<114	1.35%	1	74	Nil
STRE003	Stratford East	Friday, 17 April 2020	12:37:00	0.39	104.8	<0.24	<114	<0.24	<114	<0.24	<114	0.43	94.3	1.33%	1	75	Nil
RSV304	Roseville West	Monday, 20 April 2020	1:07:00	<0.24	<114	<0.24	<114	0.31	97.0	<0.24	<114	<0.24	<114	1.32%	1	76	Nil
RSV303	Roseville West	Wednesday, 22 April 2020	13:09:00	0.49	99.4	41.00	97.1	0.37	101.1	<0.24	<114	0.27	98.5	1.30%	1	77	Nil
STRE005	Stratford East	Thursday, 23 April 2020	13:10:00	0.23	101.6	<0.24	<114	<0.24	<114	0.27	99.6	0.42	82.2	1.28%	1	78	Nil
RSV305	Roseville W	Thursday, 30 April 2020	2:24:00	0.65	105.4	0.47	99.1	<0.24	<114	<0.24	<114	0.24	98.5	1.27%	1	79	Nil
AN132C	Avon North	Friday, 1 May 2020	12:02:00	0.27	82.5	<0.24	<114	0.39	98.6	<0.24	<114	1.45	109.8	1.25%	1	80	Nil
AN137	Avon North	Tuesday, 5 May 2020	10:13:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.61	112.2	1.23%	1	81	Nil

- 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.

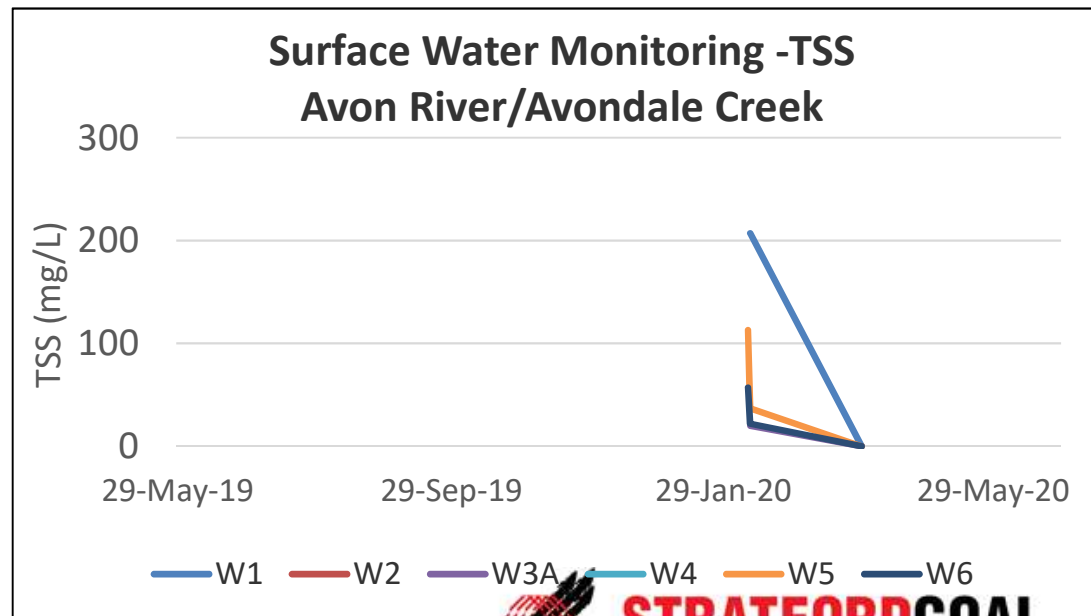
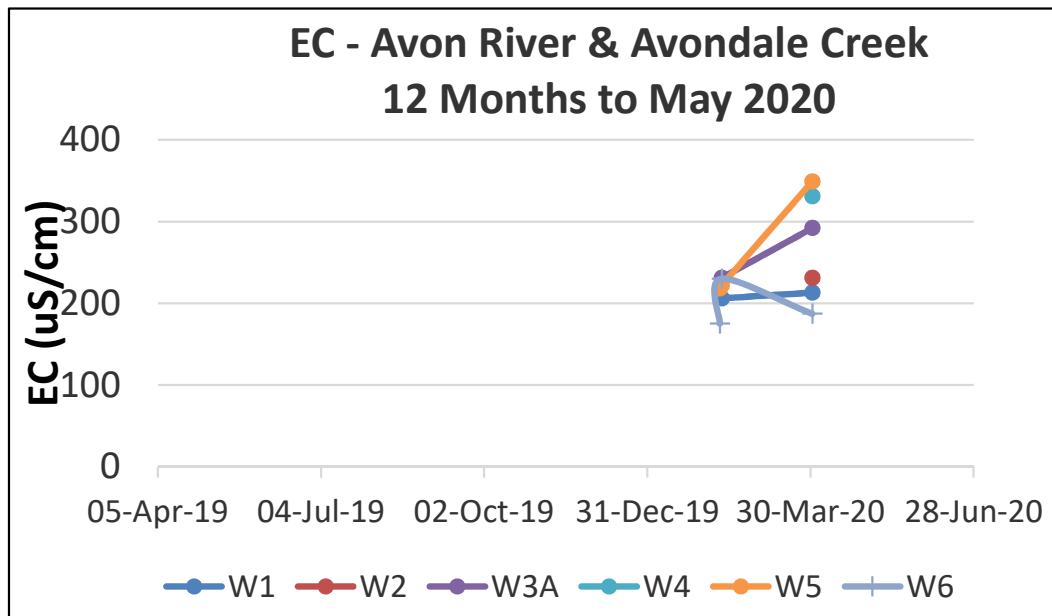
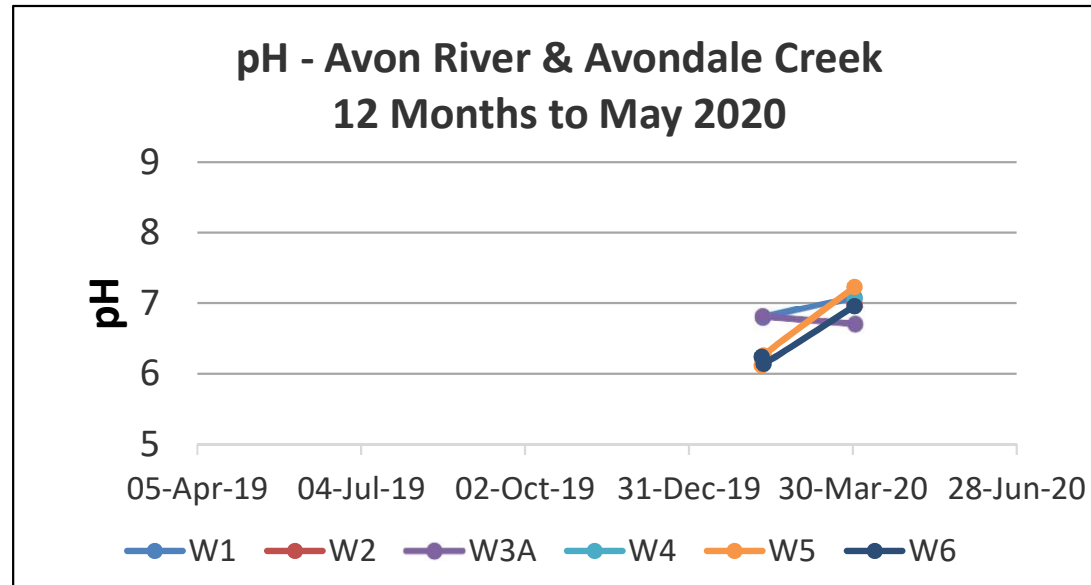
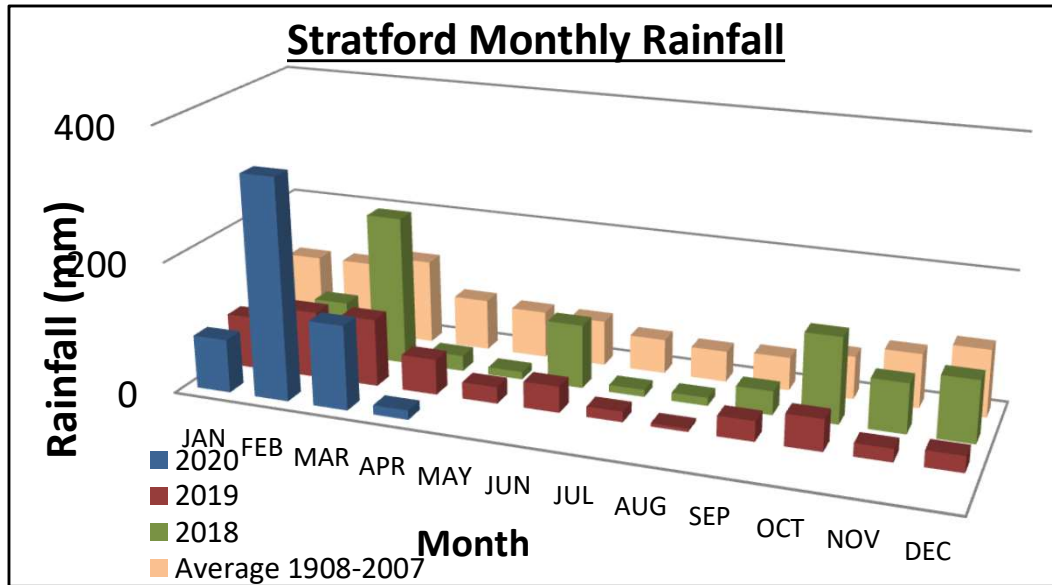
# 3c. Noise Management

Management Area	Project	Status
Monitoring	<ul style="list-style-type: none"><li>Monthly Noise Survey</li></ul>	<ul style="list-style-type: none"><li>Monthly attended noise monitoring was undertaken during Q1 2020.</li><li>No non-compliant results were recorded during the surveys. Reports will be made available on the Stratford Coal website. The next monitoring is scheduled in May 2020.</li></ul>
Real-Time Noise	<ul style="list-style-type: none"><li>Real-Time Noise System</li></ul>	<ul style="list-style-type: none"><li>Real-time noise monitors continue to operate near Stratford village, Craven Village and the Clarke property.</li><li>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.</li></ul>

# 3d. Water Management

Management Area	Project	Status
Water management Structures	<ul style="list-style-type: none"> <li>• Avon North Pit Flood Bund</li> <li>• Stratford East clean water drain</li> <li>• Stratford East PAF Cell</li> </ul>	<ul style="list-style-type: none"> <li>• The Avon North Pit Flood Bund construction was completed in Q1 2020.</li> <li>• The Stratford East clean water drain construction completed in Q1 2020.</li> <li>• A design has been prepared ready and submitted to the EPA for approval.</li> </ul>
Surface Water Monitoring	<ul style="list-style-type: none"> <li>• Routine monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Routine water sampling continued.</li> <li>• An event sampling conducted on 7/02/20 with 50mm recorded in 24hours.</li> <li>• Elevated TSS observed during first flow after a extended dry period across monitoring locations</li> <li>• All results consistent with the SCM Environmental Assessment predictions.</li> </ul>
Groundwater Monitoring	<ul style="list-style-type: none"> <li>• Routine monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Routine groundwater sampling continued. All results consistent with the SCM Environmental Assessment predictions.</li> </ul>

# 3d. Water Management



# 3e. Rehabilitation Management

Management Area	Project	Status
Rehabilitated Waste Emplacements	<ul style="list-style-type: none"> <li>Avon North waste emplacement</li> </ul>	<ul style="list-style-type: none"> <li>Bulk shaping of the Avon North waste emplacement completed focusing on areas with offsite visual impact (North Aspect). Native Tree Seed and Native Grass Seed spread on approx. 11ha.</li> </ul>
Tube Stock	<ul style="list-style-type: none"> <li>Avon North waste emplacement</li> </ul>	<ul style="list-style-type: none"> <li>250 Tube Stock were planted as part of the Avon North waste emplacement rehabilitation to mitigate visual amenity.</li> </ul>
Monitoring	<ul style="list-style-type: none"> <li>Vegetation Monitoring - Ecosystem Function Analysis</li> </ul>	<ul style="list-style-type: none"> <li>Rehabilitation monitoring incorporating landscape function analysis and vegetation dynamics is scheduled for May 2020.</li> </ul>



Photo: Avon North rehabilitation Tube Stock planting, March 2020.



Photo: Avon North rehabilitation, April 2020.

# 3e. Biodiversity Management

Management Area	Project	Status
Biodiversity Offset Area	<ul style="list-style-type: none"> <li>Revegetation Works</li> </ul>	<ul style="list-style-type: none"> <li>In Q1 2020 SCPL has planted approximately 56,000 trees over 76 hectares along the Glen Road area in the Biodiversity Offset.</li> <li>Tubestock planting in the biodiversity offset area commenced in March 2020 finishing in May 2020. Prior to planting ground preparation was undertaken including weed spraying, crash grazing, slashing and ripping.</li> </ul>
Biodiversity Offset Area	<ul style="list-style-type: none"> <li>Vegetation Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>The second round of vegetation monitoring for the biodiversity offset area is planned to be completed in May 2020. A summary of the report will be included in the next Annual Review.</li> </ul>



Photo: Biodiversity Offset tubestock delivery, April 2020.

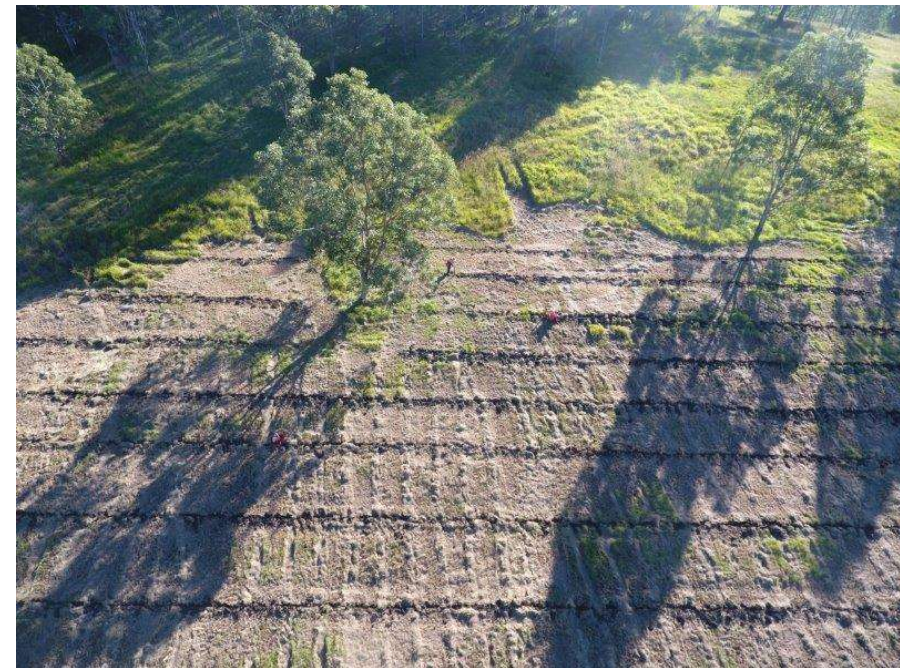


Photo: Biodiversity Offset tubestock planting, April 2020.





# 3f. Biodiversity Management

Management Area	Project	Status
Nest Box Program	<ul style="list-style-type: none"> <li>Nest Box Installation</li> </ul>	<ul style="list-style-type: none"> <li>70 Nest boxes have been installed in the Stratford Biodiversity Area and Biodiversity Enhancement Area in April 2020. 54 of these boxes are to specifically target the Squirrel glider and 16 of these boxes are designed to target other arboreal fauna.</li> </ul>
Pest Control	<ul style="list-style-type: none"> <li>Wild Dog control program</li> </ul>	<ul style="list-style-type: none"> <li>Wild dog and fox trapping was completed in April 2020 covering all Stratford Coal owned properties including biodiversity offsets and Mining Leases.</li> <li>Further trapping of Wild Cat is scheduled for Q2 2020.</li> </ul>
Weed Control	<ul style="list-style-type: none"> <li>Weed spraying program</li> </ul>	<ul style="list-style-type: none"> <li>Weed spraying has been undertaken in the Stratford Biodiversity Area in April and May 2020 targeting Blackberry, Crofton weed, Tobacco bush, Privet and Lantana.</li> </ul>



# 4. Community Complaints - Summary

Stratford Complaint Summary				
Period: 1/2/2020 - 1/5/2020				
Period: 3 Months				
Total No. of Complaints: 3				
Total No. of Complainants: 3				
Date/Time of Complaint	Complainant Location	Method of Complaint	Nature of Complaint	Investigation/Outcome
11/03/2020 20:50	Approx. 3.2km west of source	Community hotline.	Noise	<p>Complaint: "Noise Complaint"</p> <ul style="list-style-type: none"> <li>Complainant stated that he could hear the mine 'droning noise' 'not the track slap'.</li> <li>AB advised the CHPP was operating at the time with the loader on the ROM. No train loading activities were being undertaken.</li> <li>AB advised that the SCPL Craven real time noise indicated compliance with the site criteria, no inversion and a gentle wind from the NE was recorded at the time.</li> <li>AB advised SCPL are approved to undertake activities within the noise limits with recent noise survey results demonstrating compliance.</li> <li>Complainant stated the consultants always measure on a Wednesday.</li> <li>AB advised she would review the timing and ensure these were being undertaken on different days of the week.</li> </ul>
28/04/2020 20:37	Approx. 4km west of Operations	Direct to email	Lighting	<p>"Complaint: ""I am alarmed &amp; disturbed at what appears to me to be the recent rapid increase in lights from the Southern end of your coal operations. Tonight, looking out off my house window some 3km away, I can clearly see a row of 6 orange coloured bank/cluster of lights, plus what seem further afield, another row of 6 white coloured bank/cluster of lights. That makes at least 12 separate lighting locations - in this part of the mine area alone. Several of the banks seem to have 4 lights in each cluster/location. Also visible are some blue lights moving about. Can you pls help me understand the likely ongoing visual impact of lighting &amp; what steps the mine are taking to mitigate it for the adjoining community</p> <ul style="list-style-type: none"> <li>AB contacted the OCE on site who conducted a lighting audit and boundary check and included in the daily OCE report "5 lighting plants in the Stratford east area all facing towards working areas and not reflected out into environment. Audit of light direction and boundary check of lighting all satisfactory."</li> <li>AB returned a phone call to complainant advising a lighting audit had been undertaken by the Open Cut Examiner on site following receipt of complaint determining satisfactory lighting set up.</li> <li>AB inspected operational lighting and undertook external inspection including on 30/04/20 between 6:30-8pm.</li> <li>AB undertook tool-box talk regarding sensitive receivers and minimising direction of plant</li> </ul>
1/05/2020 12:03	Approx 1.5km from blast	Direct to mobile	blast	<p>Complaint "blast shaking the house again"</p> <ul style="list-style-type: none"> <li>The complaint as made direct to the Acting E&amp;C Sup. mobile via text</li> <li>AB returned complainants text with a phone call to notify the complainant the blast was compliant and offered to discuss the matter further with complainant if needed. the complainant did not want to discuss further.</li> </ul>



# 5. Community Programs

Management Area	Project	Status
Support Programs	Stratford Coal Community Support Program	<ul style="list-style-type: none"> <li>• Since 2010, Stratford Coal has granted over \$600,000 to local community groups.</li> <li>• SCPL received a very good response from many community organisations in 2020 with 24 successful local community organisations.</li> <li>• A presentation for the recipients of the 2020 Stratford Coal Community Support Program was held at the Avon Valley Inn on 11 March 2020.</li> <li>• Covid19 has impacted a number of recipients with SCPL continuing to support those organisations.</li> </ul>
	<ul style="list-style-type: none"> <li>• Stratford Coal Education Support Fund</li> </ul>	<ul style="list-style-type: none"> <li>• A great response to the Education Support Program for 2020 was received again with a strong round of applicants.</li> <li>• The fund began in 1997 and has contributed a total of over \$781,406 including \$47,500 in 2020.</li> <li>• The Education Support Fund presentation night was cancelled due to Covid19.</li> </ul>



Photo: Stratford Coal Community Support Program presentation night, 11 March 2020.