Stratford Coal CCC Meeting

Presentation – Company Report & Overview of Activities

November 2020

Michael Plain Environment & Community Superintendent



Table of Contents

- 1. Agenda Item 7a (Progress at the Mine)
- 2. Agenda Item 7b (Environmental Reporting)
- 3. Agenda Item 7c (Environmental Management Plans and Monitoring)
- 4. Agenda Item 7d (Community Complaints)
- 5. Agenda Item 7e (Community Programs)

Covid-19 Response

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

- Access restrictions and self declaration
- Social distancing (1.5m and 4m2)
- Maximum occupancy for each room identified
- Body temperature monitoring
- Alternate working arrangements- work from home
- Additional PPE



1. Progress at the Mine

Mining 3rd Quarter 2020

- Waste BCM 1,812,809 BCM
- Stratford ROM Coal 249,281 tonnes
- Total CHPP product 142,088 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 in Stratford East Pit. Day and evening shift. Stage 2 clearing commenced during the quarter.
- BRN mining recommenced during Q3 2020.



2. Environmental Reporting & Regulators

Management Area	Project	Status
Reporting	 Stratford Mining Complex Annual Review 2019 	• 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 Stratford Coal website.
	• EPL 5161 Annual Return	 EPL 5161 Annual Return 2020 has been prepared and lodged. The Annual Return is available on the EPA's public register.
	NPI 2020NGER 2020	 National Pollutant Inventory 2020 reporting has been completed and lodged. National Greenhouse Emissions Reporting 2020 has been completed and lodged.
Regulator	 Environmental Management Plans MOP & Rehabilitation Management Plan Resources Regulator Targeted Assessment Program - Rehabilitation Materials and Soil Management 	 No change A new Stratford Mining Operations & Rehabilitation Management Plan is due prior to 1 March 2021. The MOP will reflect the proposed mining and rehabilitation activities for the next 3 years. The MOP will include an updated rehabilitation and mine closure risk assessment. The MOP will be provided to CCC Members for consultation. A site inspection was undertaken on 2 September 2020 by the Resources Regulator. The assessment focused on progressive rehabilitation obligations and how rehabilitation materials are managed. No significant issues were identified. Recommendations have been made for a review of the risk assessment and additional monitoring of soil quality and grazing areas.



3. Environmental Management Plans & Monitoring

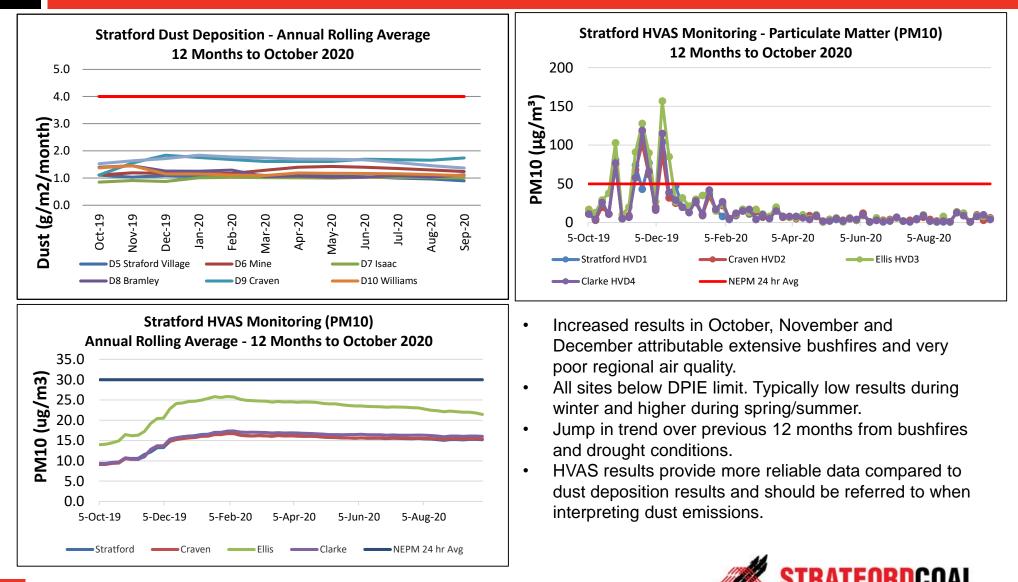
- a) Air Quality Management
- b) Blast Management
- c) Noise Management
- d) Water Management
- e) Rehabilitation Management
- f) Biodiversity Management

3a. Air Quality Management

Management Area	Project	Status
Air quality monitoring	 Real-time air quality monitoring 	 The real-time air quality TEOM monitors in Stratford and Craven villages continue to operate. General ambient PM10 dust levels have been low throughout winter/spring



3a. Air Quality Management



3b. Blast Management

Management Area	Project	Status
Blasting	Blast MonitoringBlast Results	 Blasting activities continued in Avon North, BRN and Roseville West open cuts with blasting commencing in Stratford East open cut from April 2020. For the annual reporting period 0% of blasts have exceed 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. No blasts recorded fume during the quarter.
	Blasting Preparations	Blast notifications have continued.Additional recipients have been added to the notification list on request.
Building Inspections	 Baseline condition inspections 	 No building inspections required during the quarter.



3b. Blast Management

Date	Time	lsaac 74	: (B1) 32		ge (B2) 41		s (B6) 34		nwood 122	Clarke (B owr 74 (previou	ned) 33	Overpressure Site Exceedance ¹	Ground Vibration Site Exceedance ¹	Monitored Blasts ¹	Fume Rating
	24hr	mm/s	dBL	mm/s	dBL	mm/s	dBL	mm/s	dBL	mm/s	dBL	%	%		
Friday, 3 July 2020	10:04:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.69	112.9	0.00%	0.0%	1	Nil
Tuesday, 7 July 2020	13:08:00	<0.24	<114	0.26	99.1	<0.24	<114	<0.24	<114	<0.24	<114	0.00%	0.0%	2	Nil
Friday, 10 July 2020	12:36:00	0.40	90.5	0.30	85.1	<0.24	<114	0.59	108.2	0.68	90.2	0.00%	0.0%	3	Nil
Friday, 17 July 2020	12:38:00	<0.24	<114	<0.24	<114	<0.24	<114	0.25	81.6	0.78	106.3	0.00%	0.0%	4	Nil
Tuesday, 21 July 2020	12:39:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.37	88.2	0.00%	0.0%	5	Nil
Wednesday, 22 July 2020	10:08:00	0.43	97.3	0.32	99.9	0.62	101.6	<0.24	<114	<0.24	<114	0.00%	0.0%	6	Nil
Friday, 24 July 2020	12:36:00	0.25	99.4	0.25	79.1	<0.24	<114	0.25	97.8	0.90	97.8	0.00%	0.0%	7	Nil
Thursday, 30 July 2020	1:32:00	0.25	92.0	0.39	96.0	0.44	103.0	<0.24	<114	<0.24	<114	0.00%	0.0%	8	Nil
Friday, 31 July 2020	12:41:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.40	88.2	0.00%	0.0%	9	Nil
Thursday, 6 August 2020	1:04:00	0.23	101.6	0.33	105.1	0.28	107.4	<0.24	<114	<0.24	<114	0.00%	0.0%	8	Nil
Friday, 7 August 2020	12:09:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.45	82.2	0.00%	0.0%	10	Nil
Friday, 14 August 2020	12:48:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	1.05	109.8	0.00%	0.0%	11	Nil
Tuesday, 18 August 2020	12:42:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.87	106.3	0.00%	0.0%	12	Nil
Friday, 21 August 2020	12:38:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.44	99.1	0.00%	0.0%	13	Nil
Tuesday, 25 August 2020	12:44:00	0.24	88.5	0.24	91.1	0.30	101.6	<0.24	<114	1.24	105.8	0.00%	0.0%	14	Nil
Friday, 28 August 2020	12:44:00	0.32	101.1	0.27	88.6	<0.24	<114	0.50	102.4	0.58	93.1	0.00%	0.0%	15	Nil
Friday, 4 September 2020	12:43:00	0.24	94.6	<0.24	<114	0.35	100.5	<0.24	<114	1.40	106.3	0.00%	0.0%	16	Nil
Friday, 11 September 2020	12:46:00	0.25	85.1	0.25	85.1	<0.24	<114	<0.24	<114	0.99	88.2	0.00%	0.0%	17	Nil
Wednesday, 16 September 2020	1:04:00	0.39	100.6	<0.24	<114	0.24	101.6	<0.24	<114	<0.24	<114	0.00%	0.0%	18	Nil
Friday, 18 September 2020	12:40:00	0.23	82.5	0.25	93.0	0.35	109.0	<0.24	<114	1.56	115.9	0.00%	0.0%	19	Nil
Monday, 21 September 2020	14:49:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.00%	0.0%	20	Nil
Wednesday, 23 September 2020	13:09:00	0.30	97.3	0.33	98.1	0.51	105.9	<0.24	<114	<0.24	<114	0.00%	0.0%	21	Nil
Thursday, 24 September 2020	12:40:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.00%	0.0%	22	Nil
Friday, 25 September 2020	12:45:00	0.27	90.5	<0.24	<114	<0.24	<114	<0.24	<114	0.33	99.1	0.00%	0.0%	23	Nil
Thursday, 1 October 2020	12:52:00	0.22	100.0	<0.24	<114	<0.24	<114	0.25	104.5	0.32	85.8	0.00%	0.0%	24	Nil
Thursday, 8 October 2020	12:39:00	0.26	93.4	0.29	97.1	0.26	96.1	<0.24	<114	1.08	108.0	0.00%	0.0%	25	Nil
Thursday, 15 October 2020	12:37:00	0.23	99.4	<0.24	<114	<0.24	<114	<0.24	<114	0.50	85.8	0.00%	0.0%	26	Nil
Tuesday, 20 October 2020	12:43:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.56	106.3	0.00%	0.0%	27	Nil
Wednesday, 21 October 2020	12:38:00	<0.24	<114	<0.24	<114	<0.24	<114	<0.24	<114	0.35	82.2	0.00%	0.0%	28	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.
 29 October 2020



10 29

3c. Noise Management

Management Area	Project	Status
Monitoring	Monthly Noise Survey	 Monthly attended noise monitoring was undertaken during Q3 2020. 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 November 2020.
	 Attended Noise Monitoring Review at intermediate sites. 	 The EPA have undertaken a review of the Stratford Coal Noise Monitoring Reports and the noise monitoring methodology used at intermediate sites where direct measurement at a private residence is not possible. The EPA have requested noise modelling be used to extrapolate all results from intermediate sites to predict noise levels at private receivers.
Real-Time Noise	 Real-Time Noise System Noise forecast reports. 	 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 also generated and are issued prior to each shift.

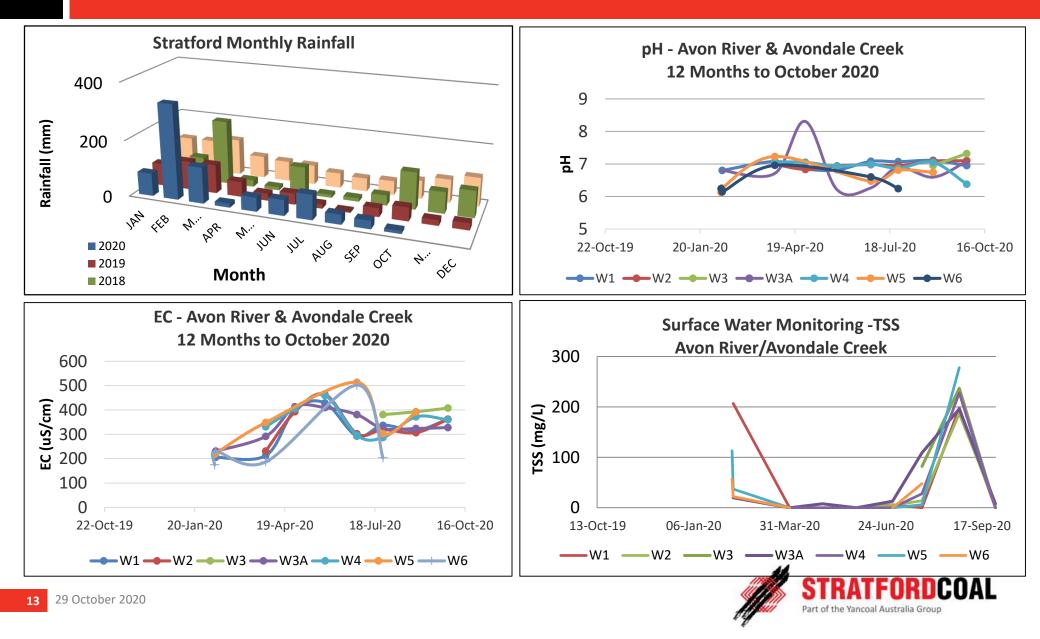


3d. Water Management

Management Area	Project	Status
Site Water Management	Annual water balance review.	• The 2019 annual site water balance review has been completed. A summary is included in the Annual Review 2019.
Water management Structures	 Stratford East clean water diversion drain Stratford East PAF Cell 	 The Stratford East Stage 2 clean water diversion commenced in October 2020 and will progress to the south prior to clearing activities being undertaken. A PAF cell design for the PAF waste from Stratford East has been submitted to the EPA for approval. A revision of the Water Management Plan will be undertaken to include details regarding the PAF Cell management.
Surface Water Monitoring	Routine monitoringBiological Monitoring	 Routine water sampling continued. All results consistent with the SCM Environmental Assessment predictions. Macro-invertebrates monitoring completed in September 2020.
Groundwater Monitoring	Routine monitoring	 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	 Avon North waste emplacement Rehabilitation Planning 	 Seeding of the northern side of Avon North waste emplacement was completed in April 2020. Establishment has been patchy and re-work of the Avon North area will be required in Q4 2020. Planning is underway for rehabilitation works schedule in Q1-2 2021 which will include the BRN/Avon North waste emplacement and back filling the northern end of Stratford East.
Monitoring	 Vegetation Monitoring - Ecosystem Function Analysis 	 Rehabilitation monitoring incorporating landscape function analysis and vegetation dynamics was completed in June 2020. The reporting is still to be completed and will be included in the next Annual Review.



14 29 October 2020 Photo: Avon North rehabilitation, October 2020.



3e. Biodiversity Management

Management Area	Project	Status
Biodiversity Offset Area	 Revegetation Works Revegetation Planning 	 In Q1 2020 SCPL has planted approximately 56,000 trees over 76 hectares along the Glen Road area in the Biodiversity Offset. 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. Planning has been finalised for the revegetation works scheduled in Q1 2021. Planting areas will include offset properties near Craven, Woods Rd and ex-Foreman/Johnson property. Native seed supply has been arranged and tubestock is currently being propagated by the nurseries.



Photo: Biodiversity Offset tubestock delivery, 29 October 202 April 2020.



Photo: Biodiversity Offset tubestock planting, April 2020.



3f. Biodiversity Management

Management Area	Project	Status			
Nest Box Program	Nest Box Installation	 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. Nest box monitoring was undertaken in July and October 2020. Results to be provided. The next round of nestbox installations for 2021 has been arranged and will be completed in February 2021. 			
Pest Control	 Wild Dog control program 	 Wild dog and fox trapping re-commenced in October 2020 covering all Stratford Coal owned properties including biodiversity offsets and Mining Leases. 			
Weed Control	 Weed spraying program 	 Weed spraying has recommenced in the Stratford Biodiversity Area and Stratford Mining Lease areas in October. Weed spraying will continue through summer 2020/21 targeting Blackberry, Crofton weed, Tobacco bush, Privet and Lantana. 			



Photo: Nest box installed 29 October 2020 during April 2020.



Photo: Squirrel Glider in nest box, July 2020.



Photo: Wild dogs detected during 2020 wild dog trapping program.



4. Community Complaints - Summary

Stratford Complaint Summary Period: 1/8/2020 - 31/10/2020

Period: 3 Months

Total No. of Complaints: 11

Total No. of Complainants: 5

Date/Time of	Complainant	Method of	Nature of	
Complaint	Location	Complaint	Complaint	Investigation/Outcome
17/08/2020	Approx. 4Km west of the CHPP		Blasting and general enquiries	 The Complainant contacted SCPL to discuss general matters including lighting, mining activities and blasting. MP returned call to the Complainant on 17/08/20. MP provided an update on contact methods for community members including direct contact details, updates on exploration lease status and mining activities, updates on previous lighting queries. Complaint: the Complainant also advised a neighbour had noticed elevated noise from a blast on 07/08/20 and would like this recorded as a complaint. Blast on 7/8/20 didn't trigger monitoring at Isaac or Ex-judge, in direction of complainant. Advice on complaint provided to D&B Engineer. MP advised he would follow-up progress on changes to ROM pad lighting and white light on waste emplacement. CHPP Supt. Confirmed adjusts to ROM pad lighting had been completed although the proposed louvre is no longer available. Additionally, CHPP lights are turned off when not required. MP inspected light emissions from Crowthers Rd at 7pm and observed direct light from lighting plant on Stratford East NAF
18/08/2020	Approx. 3.2km wes of the operation	tCommunity Hotline	Lighting	 dump. MP phoned OCE who immediately adjusted the orientation of the plant and reduce glare to the west. Complaint: "Light Pollution, all she sees is light not darkness" MP attended Upper Avon Rd at 7pm to observe lighting and noise emissions. No direct line of sight of lighting was possible from the road. The outlook may be different from the location of the dwelling. MP noted noise emissions were also low the time of observation. MP returned call to Complainant on 19/08/20 and discussed lighting and noise concerns. The complainant advised the light emissions had noticeable increased and noise has also been bad on several night. MP provided an update on current mining activities. MP also advised recent discussions with neighbours regarding lighting and changes which had been made at the CHPP and Stratford East. MP advised the noise emissions would have increased due to mining in Stratford East, however noise monitoring will continue to be undertaken to identify and adverse impacts. MP provided feedback to OCEs regarding setup of lighting plants and noise emissions from Stratford East. Information also provided to CHPP Supt. MP advised he would follow-up with another visit to Upper Avon Rd to inspect lighting emissions from closer to the dwelling. Advice provided to OCE and CHPP regarding lighting and noise impacts and mitigation.
18/08/2020	Approx. 3.2km wes of the operation	t Community Hotline	Noise	Complaint: "Noise complaint - low drone noise and machinery" • Response included above.
4/09/2020 12:46hr	sApprox. 1.5km fron		Blast	Complaint: "Blasting dust everywhere that's a no no big time"
29 October 20	blast location, Bowens Road Stratford	mobile		 MP returned a text message to advise the complaint would be follow-up. No call back required as requested previously. E&C Coordinator reviewed blast video. Dust was observed to stay within would blast exclusion zone. Minor levels of dust migrated north of the blast location and dissipated within 4.5 mins.

4. Community Complaints - Summary

Date/Time of Complaint	Complainant Location	Method of Complaint	Nature of Complaint	Investigation/Outcome
16/09/2020 18:30hrs	Approx. 1.5km from suspected noise source, Bowens Road Stratford	Direct text to mobile	Noise	 Complaint: "Noise rattling through house at 11 last night, do not want a repeat again tonight." MP returned a text message to advise the complaint would be follow-up. No call back required as requested previously. Weather conditions: No inversion present at 11:00PM on the 15/9/2020. Consistent light N wind at the time referenced in complaint. OCE Comments; Dozers in first gear on the expose areas in the Avon pit BRN dump and also in the Stratford east area. SCPL to continue implementing noise mitigation measures for mobile plant in accordance with the NMP.
22/09/2020 21:49hrs	Approx. 3km west of the operation	Complaints line	Noise	 Complaint: "noise like a freight train, and lighting" ECC attempted call back, no answer. Weather conditions: Strong inversion present at 9:49PM on the 22/9/2020. Consistent very light SE wind at the time referenced in complaint. OCE Comments; SCPL to continue implementing noise mitigation measures for mobile plant in accordance with the NMP.
2/10/2020 12:40 hrs	Approx. 1.5km from blast location, Bowens Road Stratford	Direct text to TK mobile	Blast	Complaint via text: "Not informing when blasting again dust everywhere and that was a bit close to road and you didn't block bit dangerous." No call back required as requested by Complainant previously. Blast notifications for Complainant residence ceased as requested by Complainant. Notes from Senior Mining Engineer: • Blast was minimum 700m from Wenham Cox Road – road closure not mandatory • Dust plume very thin, did not leave immediate area of blast • Blast fired at 12:30:18PM against a scheduled blast time of 12:30PM – coincided with Blasting Hotline and community blasting notifications sent by E&C Coordinator • Filmed from 3 locations 1) Drone; 2)Handheld camera at Clarke; 3) DBS in pit camera all footage displays compliance with relevant requirements
7/10/2020 21:45hr:	sApprox. 4Km west of the CHPP	Email	Lighting	 Complaint: "lighting tonight is very extensive" MP returned call to the Complainant on 08/10/20. The Complainant explained he had noticed a beam of light from the Stratford East area shining from south to north. The Complainant advised there was no light shining directly towards them although the light seemed to have changed from previous nights. MP advised he would follow-up with OCE and confirm positioning of lighting plants. OCE advised lighting plant locations had not changed. OCE confirmed lighting plants angled towards east and north and below horizontal. OCE advised beam of light was possibly from PAF Cell light and would inspect on following night. No call back to the Complainant required. Confirmed lighting plants are angled below horizontal and away from receivers to the west.



4. Community Complaints - Summary

Date/Time of Complaint 14/10/2020 21:30 hrs	Complainant Location Approx. 1.5km from location, Bowens Road Stratford	Method of Complaint Direct text to MP mobile	Nature of Complaint Dust	Investigation/Outcome Complaint via text: "the dust is bad fix this problem" No call back required as requested by Complainant previously. • Stratford and Craven TEOM Showing low PM10 12.47 and 12.25 respectively • Light ENE wind at time of complaint (4.2km/h), away from complainant • Water Cart watering grading floors, ramps and tipheads in the Avon and Stratford circuits. • Trucks tipping at Old Main Pit, Stratford East and Turkeys nest. No dust issues noted at dump locations.
15/10/2020 21:30hrs	Approx. 1.5km from location, Bowens Road Stratford	Direct text to MP mobile	Dust	Complaint via text: "its me again the dust really bad again tonight. you should take a drive down Wenham cox road and have a look for yourself." No call back required as requested by Complainant previously. • Stratford and Craven TEOM Showing low PM10 12.47 and 7.26 respectively • Light NNW wind at time of complaint (6.4km/h) • Water Cart watering grading floors, ramps and tip heads in the Avon and Stratford circuits. • Trucks tipping at Stratford East and Turkeys nest. No dust issues noted at dump locations.
8/10/2020 12:30hrs	Approx. 2.5km west of source (2.5kms from blast)	Direct to mobile.	Blast	 Complaint: "Blast from Stratford mine caused the windows on the house to shake. Blast was larger than others previously from Avon North." The complaint was made directly to the E&C Supt. mobile. Call returned on 19/11/20 MP advised a blast had been fired at 12:39pm on 08/10/2020. MP provided blast monitoring results (0.29mm/s, 97.1dB(L)@ Ex-judge). Similar levels to previous blasts. MP advised the measures which are undertaken in blast design to reduce the offsite impacts as much as practicable and information is conveyed to the drill and blast engineer.



5. Community Programs

Management Area	Project	Status
Support Programs	Stratford Coal Community Support Program	 The Stratford Coal Community Support Program applications are currently open. Calling for applications from local community organisations closing on the 6/11/2020.
	 Stratford Coal Education Support Fund 	• The Stratford Coal Education Support Fund will be running again during 2021 and applications are available from the Stratford Coal website, Gloucester High School or the MidCoast Council Gloucester office.



NEED FUNDING TO HELP IMPROVE OUR LOCAL COMMUNITY?

Yancoal Community Support Program call for applications

Stratford Coal is a proud and active member of the local community. Yancoal's 2021 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

Applications close on 6th November 2020





