

Mt Arthur Coal Community Consultative Committee

Meeting Date: 12 November 2018

Information provided:

1st July to 31st September 2018

Environmental Management

No new improvement initiatives have been finalised during the reporting period.

The Denman Road visual bund tree planting has been highly successful due to the additional measures put in place such as heavy duty guards and a watering system. The Mine Services Team have replanted approximately 500 trees to ensure that there is a high level of success during the recent dry conditions. A contractor has been engaged to manage the watering and replacement of trees into the future to ensure the best visual amenity outcome is achieved.

Environmental Performance

Air Quality Monitoring (Period 1st July to 31st September)

- This paper covers all six statutory PM₁₀ monitoring sites using TEOMs, all three high volume air samplers and all six dust deposition gauges.
- Eight days (eight occurrences) within the reporting period experienced elevated absolute PM₁₀ TEOM monitoring results. These events (Table 1 below) were investigated accordingly, finding the incremental MAC contribution not exceeding the criteria. The investigations were provided to the DP&E. Further information was requested by DP&E for the events on 24 July, 28 July and 19 September, with no further action required.
- Three days (three occurrences) within the reporting period experienced elevated absolute PM₁₀ HVAS monitoring results. These events (Table 1 below) were investigated accordingly, finding the incremental MAC contribution not exceeding the criteria. The investigations were provided to the DP&E with no further action required.

Table 1 Air Quality Monitoring Performance Summary

Note: These notifications are made using pre-screened data in line with the reporting timeframes.

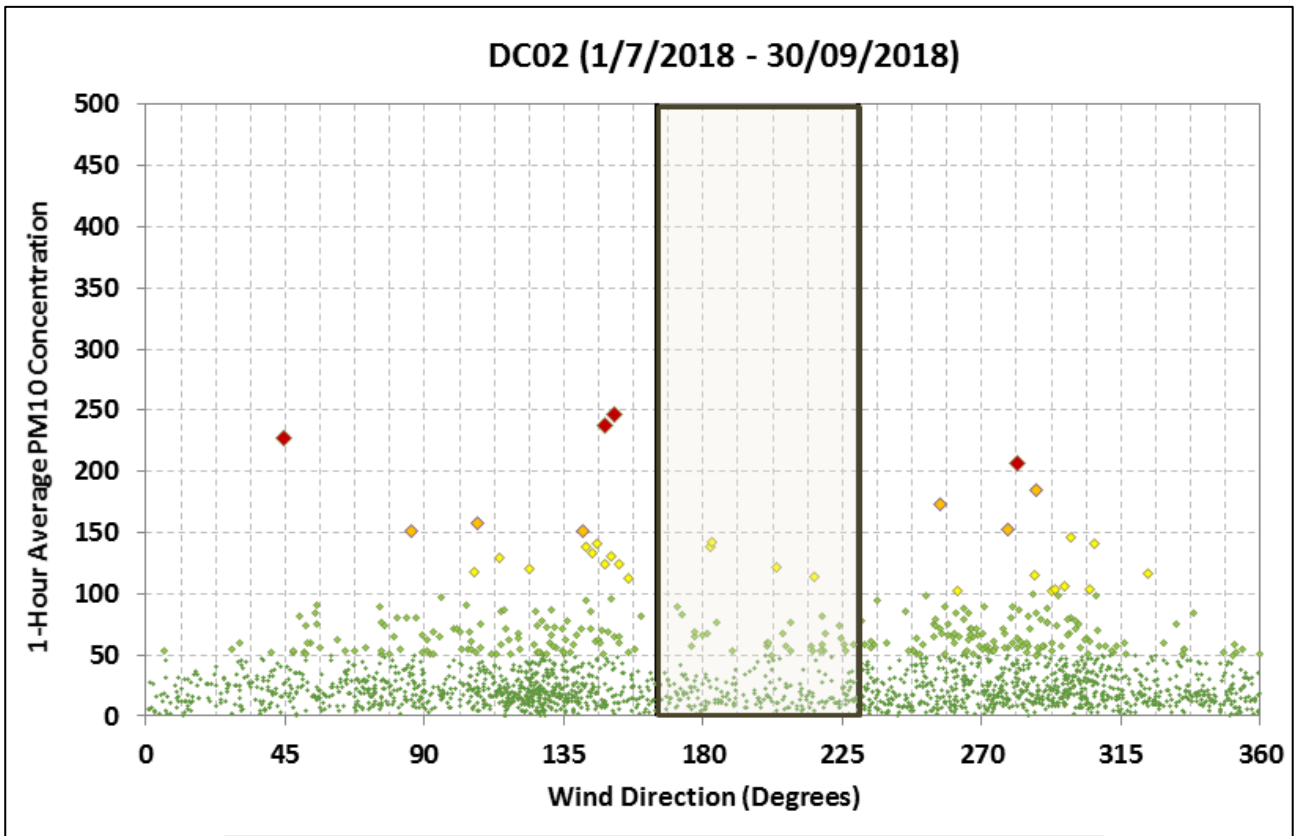
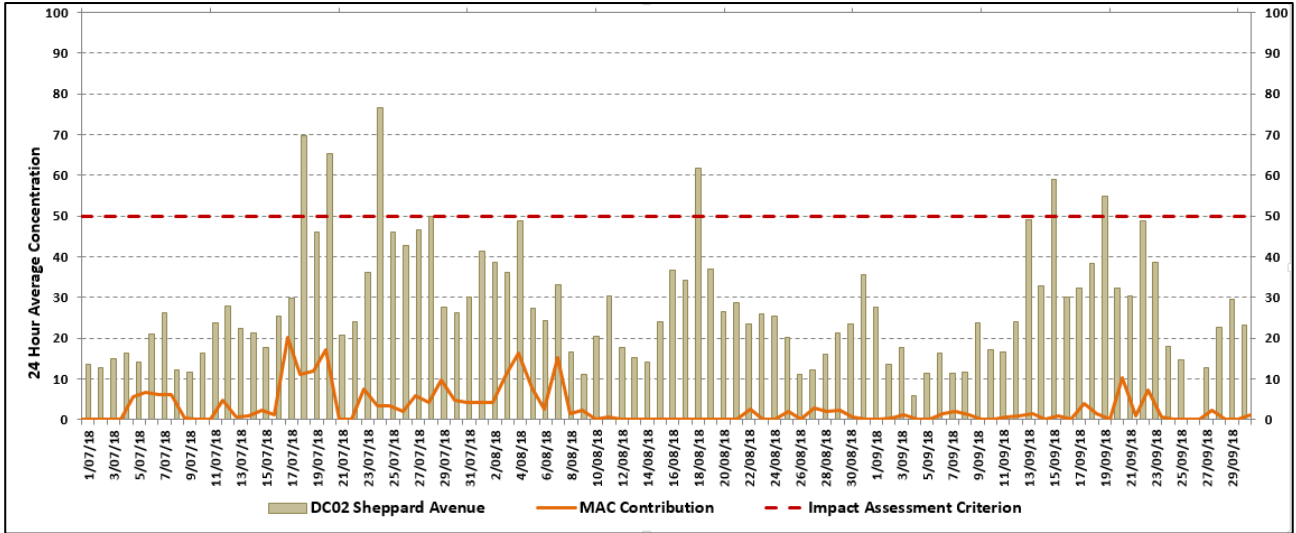
Date	Monitoring Location
18 July*	DC02 – Sheppard Avenue (Racecourse) TEOM DF06 – Sheppard Avenue (Racecourse) HVAS
20 July*	DC02 – Sheppard Avenue (Racecourse) TEOM
24 July	DC02 – Sheppard Avenue (Racecourse) TEOM DF06 – Sheppard Avenue (Racecourse) HVAS
28 July	DC09 – Welbrook TEOM
4 August	DC09 – Wellbrook TEOM
18 August	DC02 – Sheppard Avenue (Racecourse) TEOM
15 September	DC02 – Sheppard Avenue (Racecourse) TEOM DC04 – South Muswellbrook TEOM
19 September	DC02 – Sheppard Avenue (Racecourse) TEOM
22 September	DF06 – Sheppard Avenue (Racecourse) HVAS

* The NSW DPE considers the regional dust event that occurred in the Hunter (18–20 July 2018) to be an extraordinary event as defined in Schedule 3, Condition 20 footnote d of PA 09_0062.

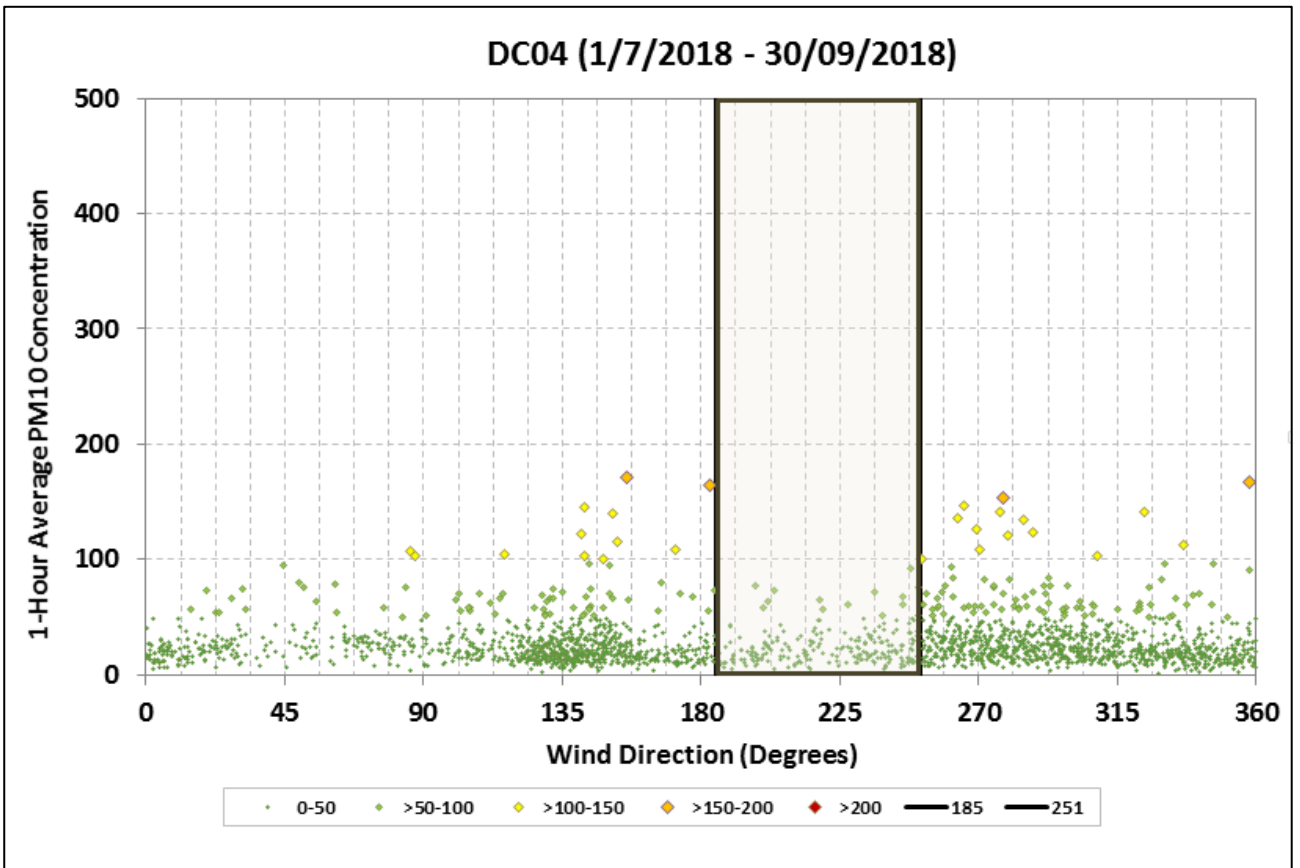
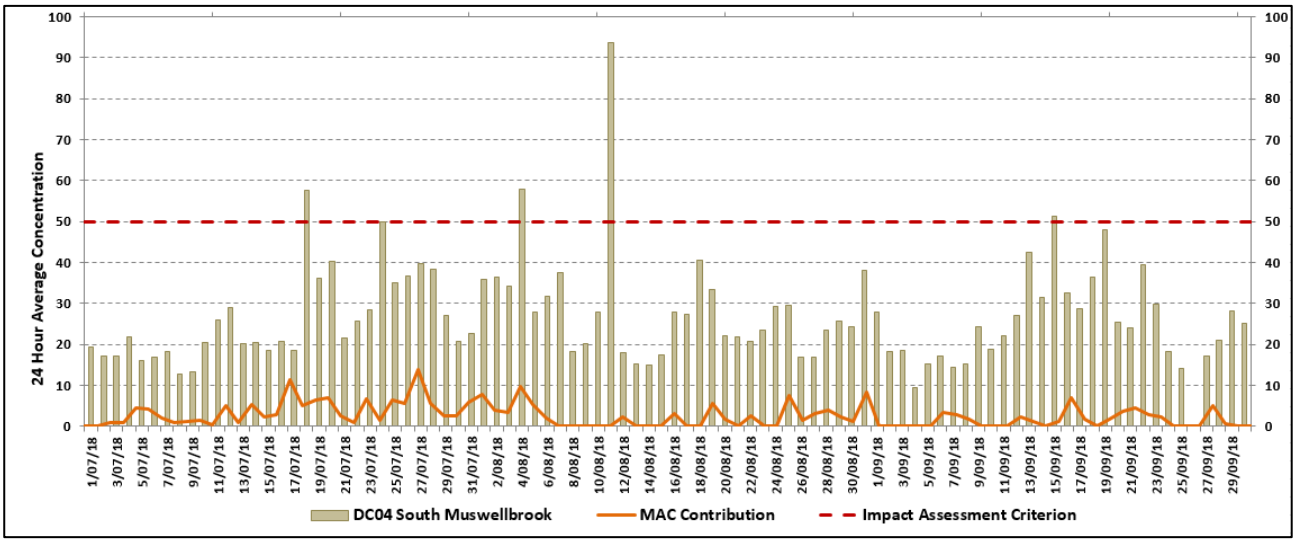
Air Quality Monitoring Graphs (Period 1st July to 31st September)

Note: that these graphs have been developed using post-screening data at the end of the reporting period.

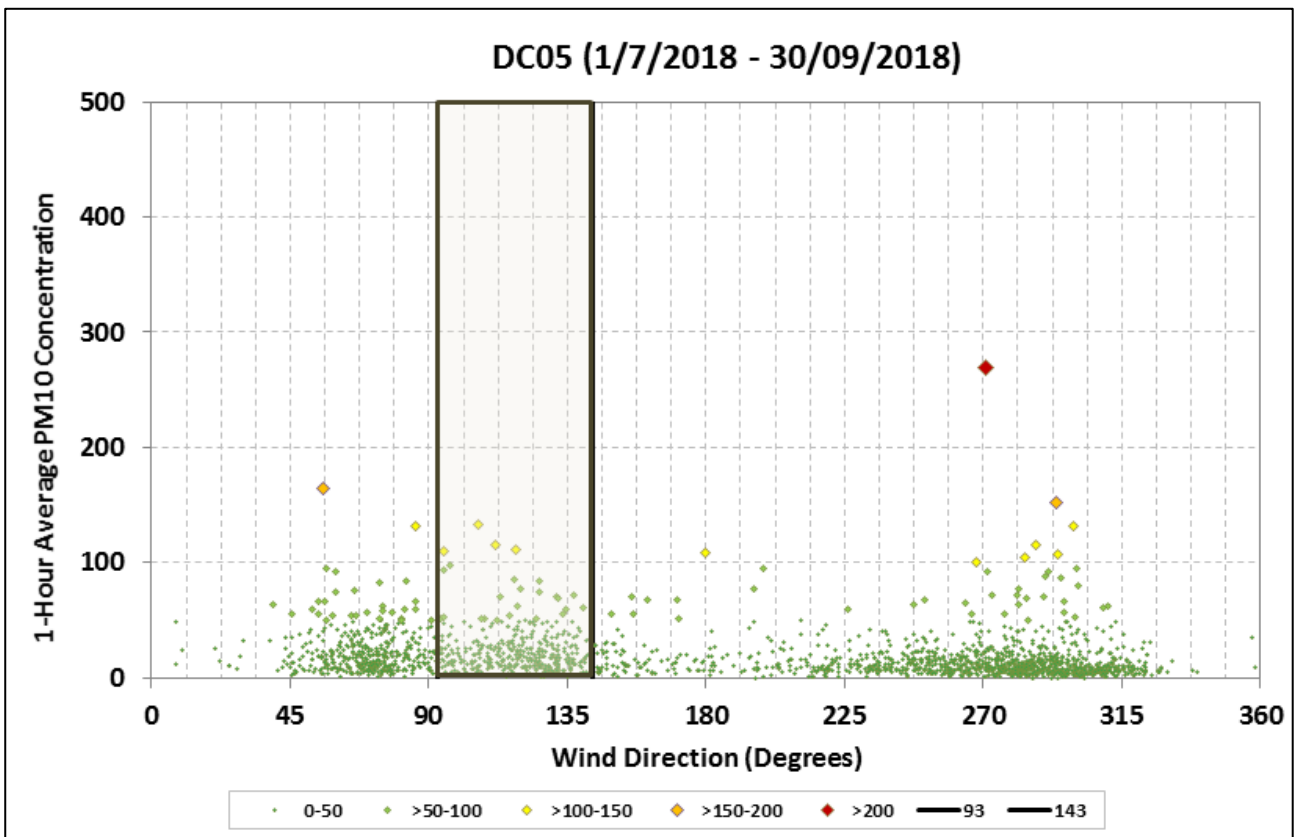
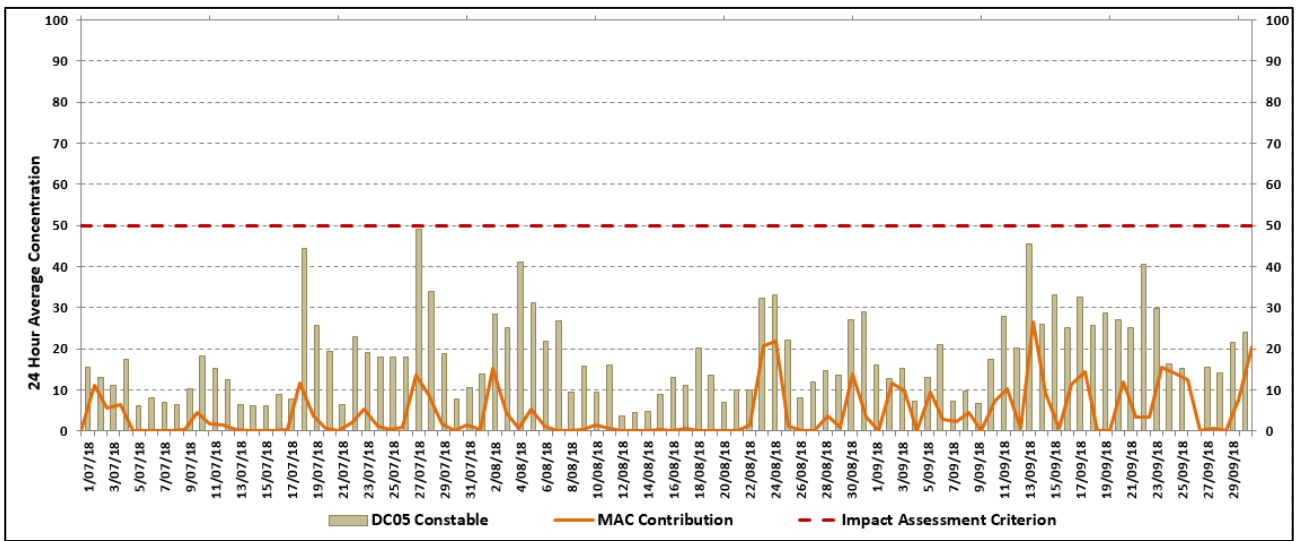
Sheppard Avenue – DC02



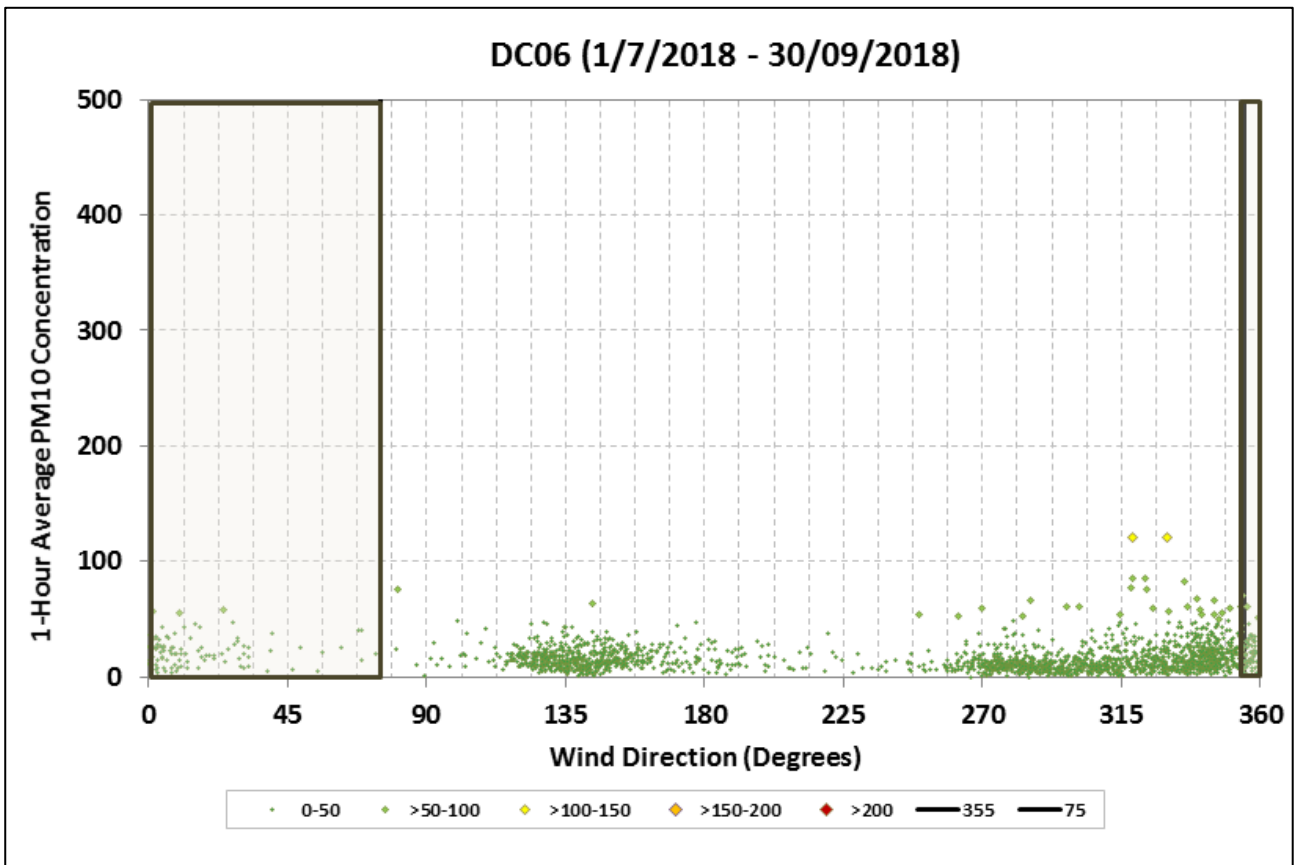
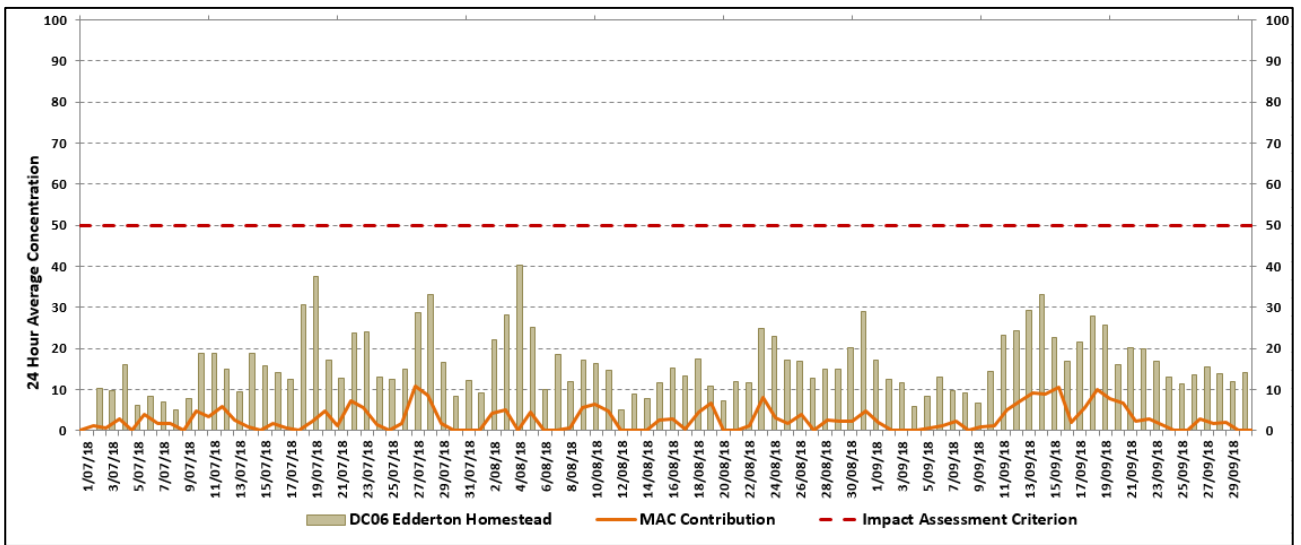
South Muswellbrook – DC04



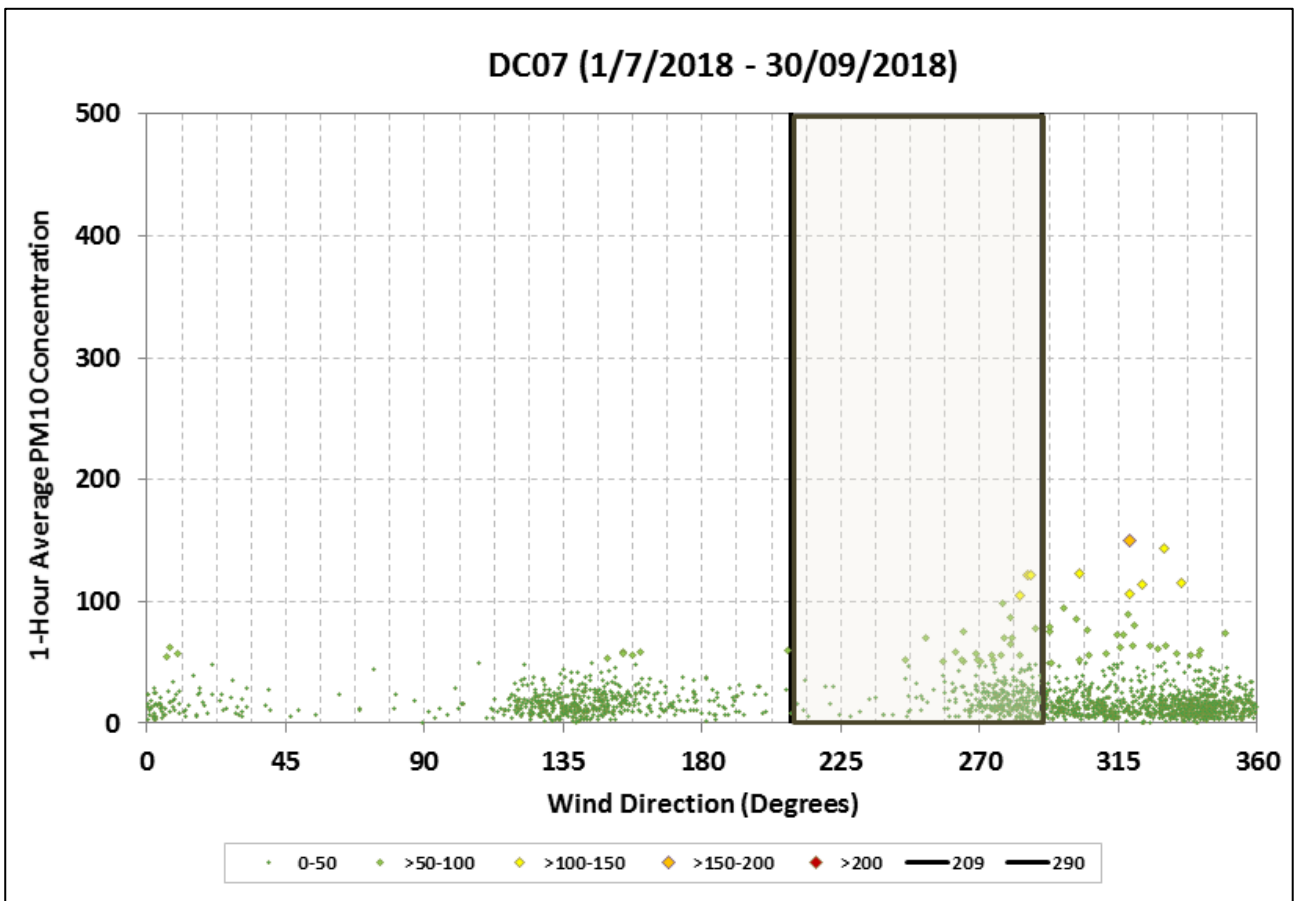
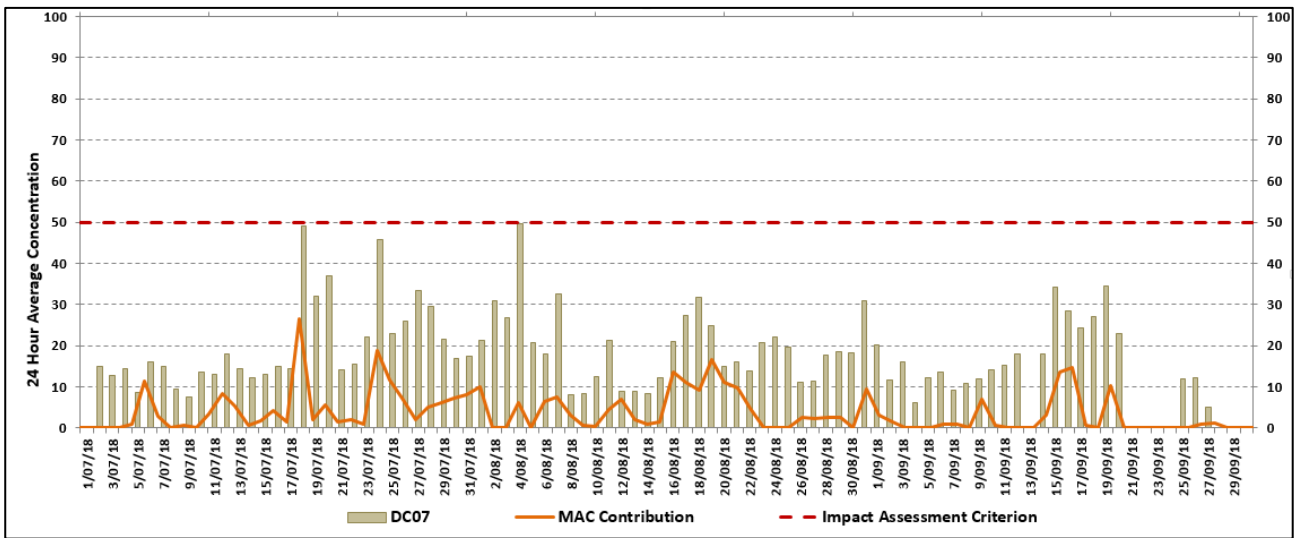
Roxburgh Road – DC05



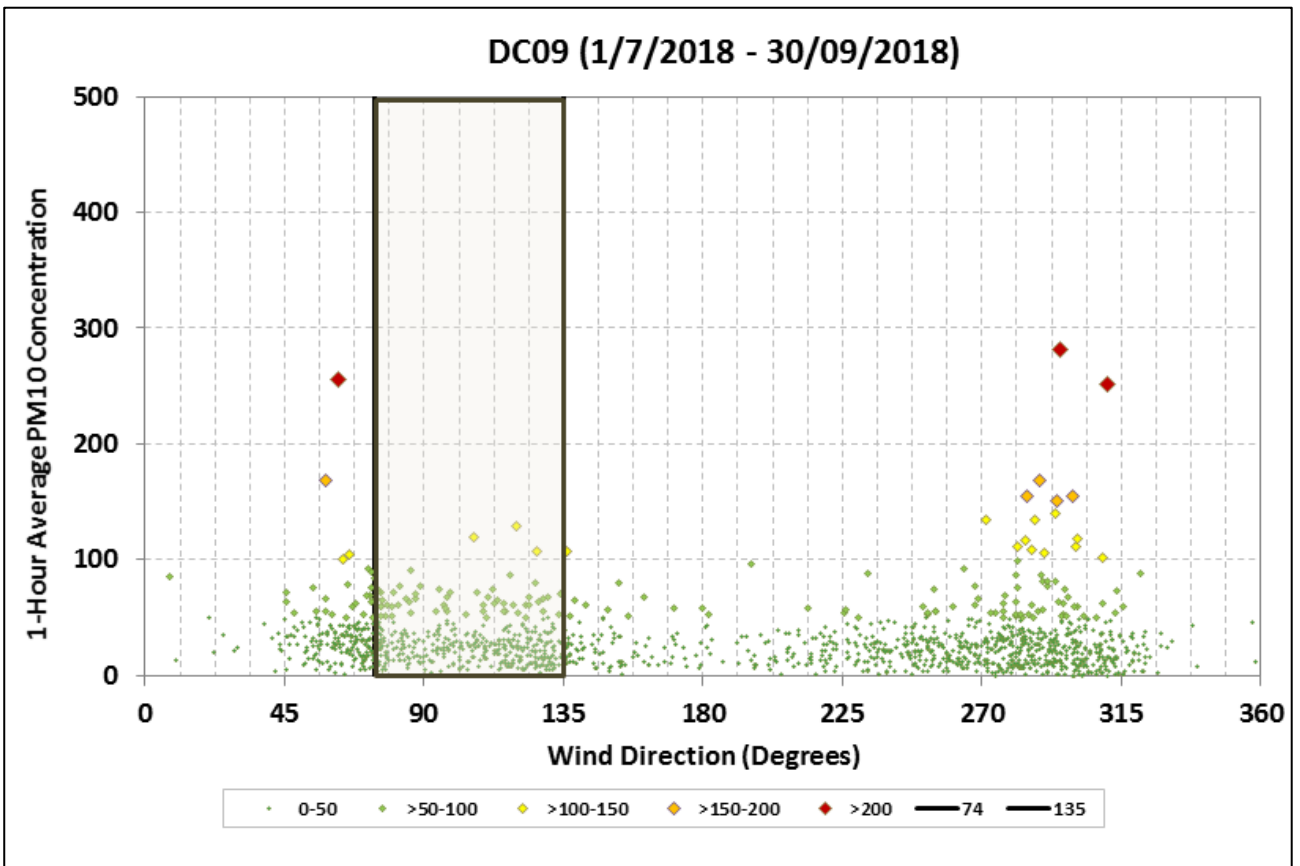
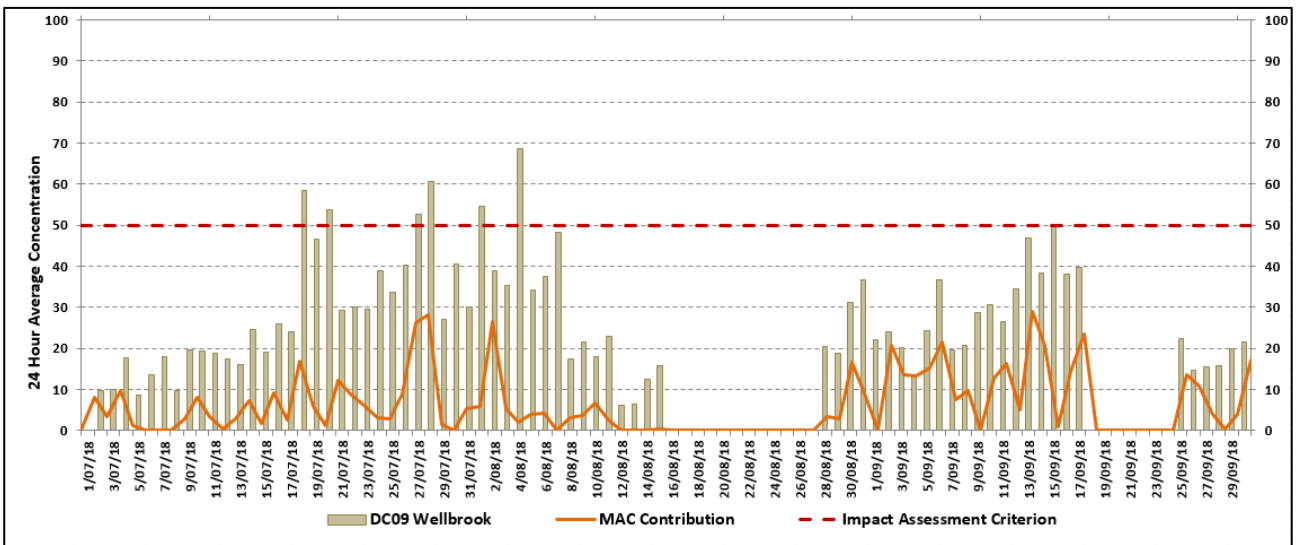
Edderton Homestead - DC06



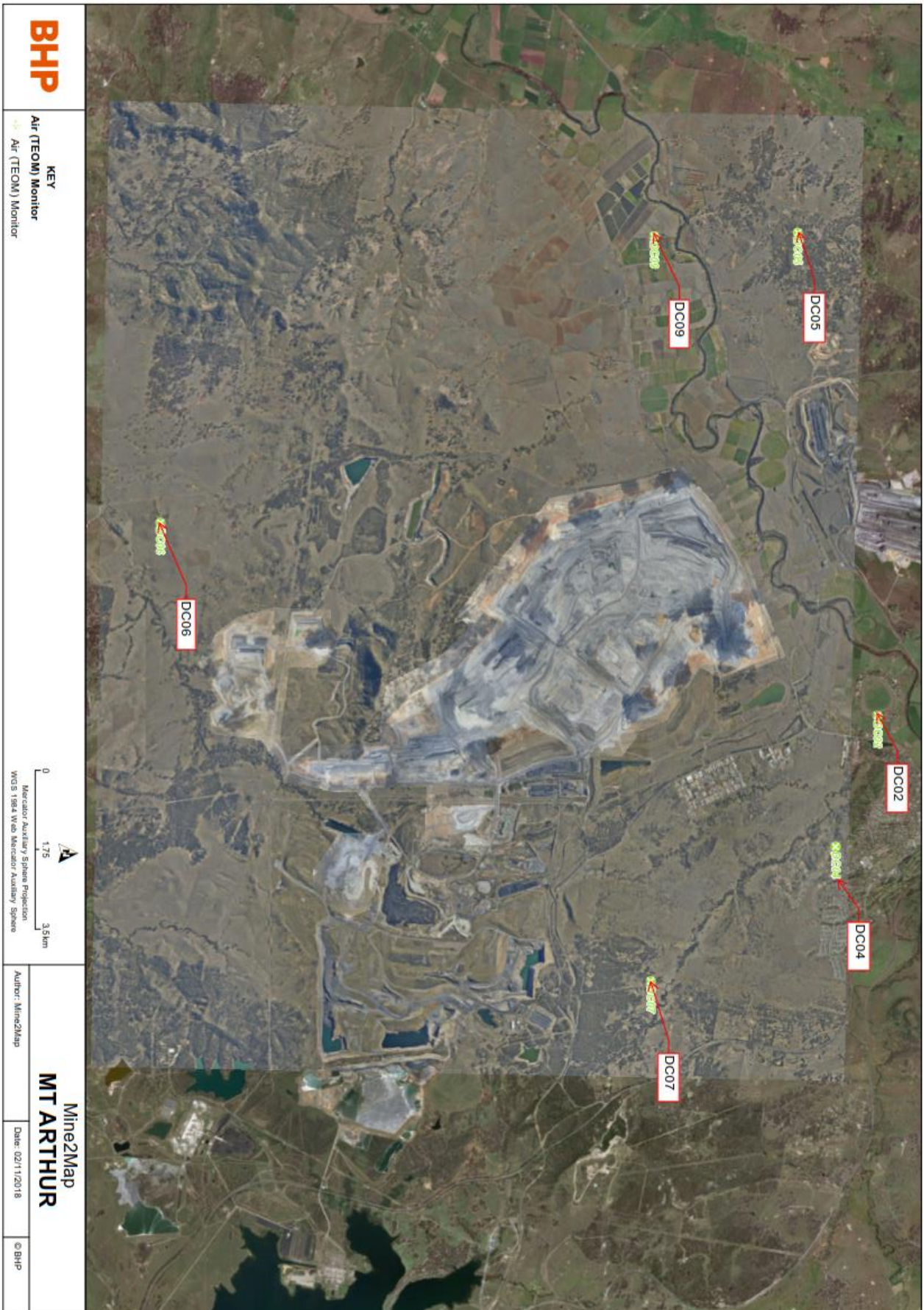
Antiene - DC07



Wellbrook – DC09



Map of Mt Arthur Air Monitoring Sites



Water Monitoring (Period 1st July to 31st September):

- *There were 3 occurrences within the reporting period whereby groundwater levels fell below trigger levels. These events were investigated accordingly. The investigation was provided to the DP&E with no further action required at this stage.*
- *There were 3 occurrences within the reporting period where a surface water sampling point reached a trigger level. These events were investigated. The investigation was provided to the DP&E with no further action required at this stage.*

Environmental Incidents

There were no environmental incidents during the period.

Environmental Reporting (Period 1st July to 31st September):

- MAC has completed, and therefore complied with, all annual reporting requirements under licence conditions. These are available to view on the BHP website using the following link:

<https://www.bhp.com/environment/regulatory-information#>

Community Complaints**July 2018**

Date and Time	From	Issue	Lodgement Type	Investigation and response to caller
04/07/2018 11:41	Denman Road	Blast Fume	Community Response Line	Investigation revealed weather conditions were suitable for blasting at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
04/07/2018 13:51	Denman Road	Blast Fume	Community Response Line	Investigation revealed weather conditions were suitable for blasting at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
12/07/2018 9:44	Muswellbrook	Other	Lodge With Third Party	Investigation revealed dump heights were well under the max limit allowed to the mine. The Department of Planning and Environment was advised of findings.
18/07/2018 15:00	Denman	General Dust	Other	Investigation revealed that the percentage target for rehab was completed and exceeded in FY18. Caller was advised of investigation findings.
20/07/2018 21:00	Muswellbrook	Lighting	Community Response Line	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved
31/07/2018 11:01	Muswellbrook	Blast Fume	Community Response Line	Investigation revealed weather conditions were suitable for blasting at the time. Results indicated fume, overpressure noise and ground vibration levels were within regulatory criteria. Caller was advised of results

August 2018

02/08/2018 16:42	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Investigation revealed mining operations had already ceased at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria. Caller was advised of investigation and monitoring results.
02/08/2018 22:30	Racecourse Road/Sheppard Avenue	Lighting	Phone Call	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved.
08/08/2018 20:15	Racecourse Road/Sheppard Avenue	Lighting	Phone Call	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved.
10/08/2018 9:25	Racecourse Road/Sheppard Avenue	General Dust	Email	Investigation revealed mining operations had already ceased at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria. Caller was advised of investigation and monitoring results.
17/08/2018 18:08	Racecourse Road/Sheppard Avenue	Blast Vibration	Phone Call	Mt Arthur Coal did not Blast.
22/08/2018 9:01	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Investigation revealed mining operations had already ceased at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria
23/08/2018 9:20	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Investigation revealed mining operations had already ceased at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria. Caller was advised of investigation and monitoring results.
23/08/2018 17:58	Racecourse Road/Sheppard Avenue	Lighting	Phone Call	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved.
25/08/2018 21:11	Racecourse Road/Sheppard Avenue	Lighting	Phone Call	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved.

**September
2018**

06/09/2018 13:55	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Investigation revealed mining operations had already ceased at the time. Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria. Caller was advised of investigation and monitoring results.
07/09/2018 12:44	Denman Road	Blast Vibration	Community Response Line	Investigation revealed weather conditions were suitable for blasting at the time. Results indicated overpressure noise and ground vibration levels were within regulatory criteria. Caller was advised of investigation and monitoring results.
10/09/2018 17:56	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
11/09/2018 9:40	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
11/09/2018 21:04	Racecourse Road/Sheppard Avenue	Lighting	Community Response Line	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved
11/09/2018 21:04	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
12/09/2018 20:17	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
14/09/2018 22:12	Racecourse Road/Sheppard Avenue	Lighting	Community Response Line	Investigation revealed location of lights, which were redirected or turned off. Caller was advised of investigation results and action taken. Caller advised they were satisfied that the issue had been resolved
14/09/2018 22:16	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were not elevated at the time, and the 24 hour average remained within regulatory criteria.
19/09/2018 17:31	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were elevated at the time
19/09/2018 19:33	Racecourse Road/Sheppard Avenue	General Dust	Community Response Line	Results at the nearest monitor indicated dust levels were elevated at the time
19/09/2018 10:48	Denman Road	Other	Phone Call	As part of its blasting procedures, Mt Arthur Coal places reduced speed signs along a public road approximately one hour before the anticipated time of the blast event. These signs are put in place for the safety of both the general public and company personnel who are located along the roadway in preparation for a blast. Investigation revealed that speed limit signs were erected within the timeframe set out in Mt Arthur Coal's blasting procedures, which aim to ensure the safety of Mt Arthur Coal personnel and community members.