

## Mt Arthur Coal Community Consultative Committee

Meeting Date: 9 September 2019

Information provided:

1 April to 30 June 2019

### Environmental Management

#### Kangaroo Management

On April 8 MAC conducted the first kangaroo harvest in approximately 10 years. The Management Program involves harvesting kangaroo carcasses for human consumption and includes the opportunistic shooting of feral animals such as dogs and rabbits. To date MAC has removed 1573kg of kangaroo meat from site, with the program continuing on throughout the calendar year. Areas being focused on include the onsite offsets and VD1 Rehab, as Figure 1 below.



Figure 1 Example of Kangaroo Management Zone

## FY19 Rehabilitation Update

The FY19 rehab target has been modified following discussions with the Resources Regulator. The FY19 rehab target was initially for 90ha. A substantial part (>40ha) of the target is the Main Dam and North Cut Tailings Dam. This is a complicated piece of work and in the process of planning the work to be completed safely and to the highest standards the completion date has been pushed back until FY21.

Bulk shaping and topsoiling was completed in VD4, VD5, CD2 and Saddlers Central (40ha). Additional bulk shaping was completed in the Drayton Void area and Saddlers South (9ha). Additional areas were dumped to the final elevation allowing for a total of 90ha of dump transitioning into the rehabilitation phase. 16ha was completed to seeding in the Saddlers West and VD5 areas. The seeding methodology was improved by using drones to aerially seed these locations, improving in seeding spread and safety. All available areas will be seeded as conditions allow for an increased chance of rehabilitation success.

## Environmental Performance

### Air Quality Monitoring (Period 1 April to 30 June 2019)

- This paper (for the reporting period of 1 April 2019 to 30 June 2019) covers the performance of all six statutory PM<sub>10</sub> monitoring sites using TEOMs, and the two dust deposition gauges identified above.
- 7 days within the reporting period experienced elevated absolute PM<sub>10</sub> TEOM monitoring results. These events (Table 1 below) were investigated accordingly, finding the incremental MAC contribution not exceeding the impact assessment criteria contained within the Project Approval. The investigations were provided to the NSW Government Department of Planning and Environment (DP&E). No exceedances reported for deposited dust. Deposited Dust (DD) graphs for DD08 and DD14 have been included in this report in line with the MAC Air Quality Management Plan.

**Table 1 Air Quality Monitoring Performance Summary**

Note: These notifications are raised using pre-screened data.

Date	Monitoring Location
8 April 2019	DC02 – Sheppard Avenue PM <sub>10</sub>
9 April 2019	DC02 – Sheppard Avenue PM <sub>10</sub>
25 April 2019	DC02 – Sheppard Avenue PM <sub>10</sub>
26 April 2019	DC02 – Sheppard Avenue PM <sub>10</sub>
27 April 2019	DC02 – Sheppard Avenue PM <sub>10</sub>
4 May 2019	DC02 – Sheppard Avenue PM <sub>10</sub>
16 June 2019	DC02 – Sheppard Avenue PM <sub>10</sub>

\* The NSW DPE considers these to be an extraordinary event as defined in Schedule 3, Condition 20 footnote d of PA 09\_0062.

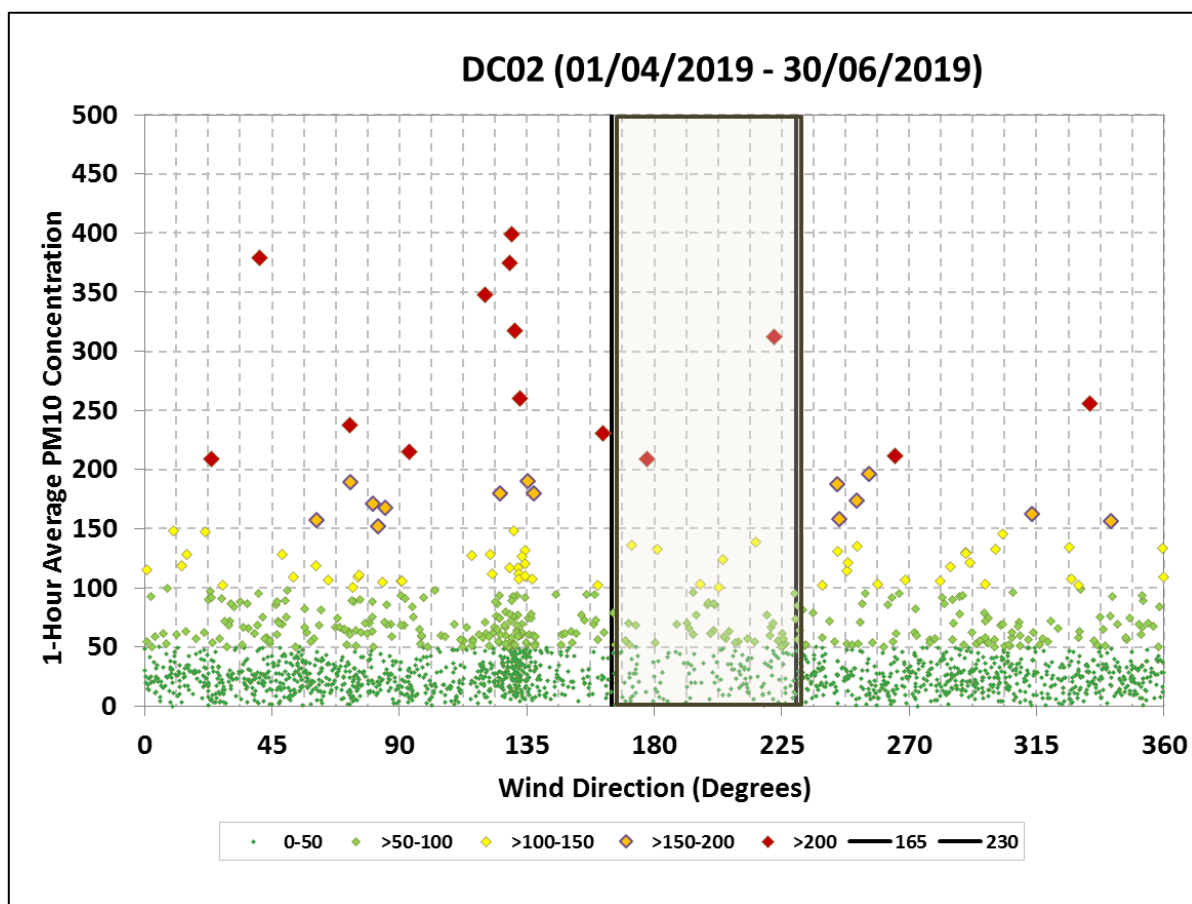
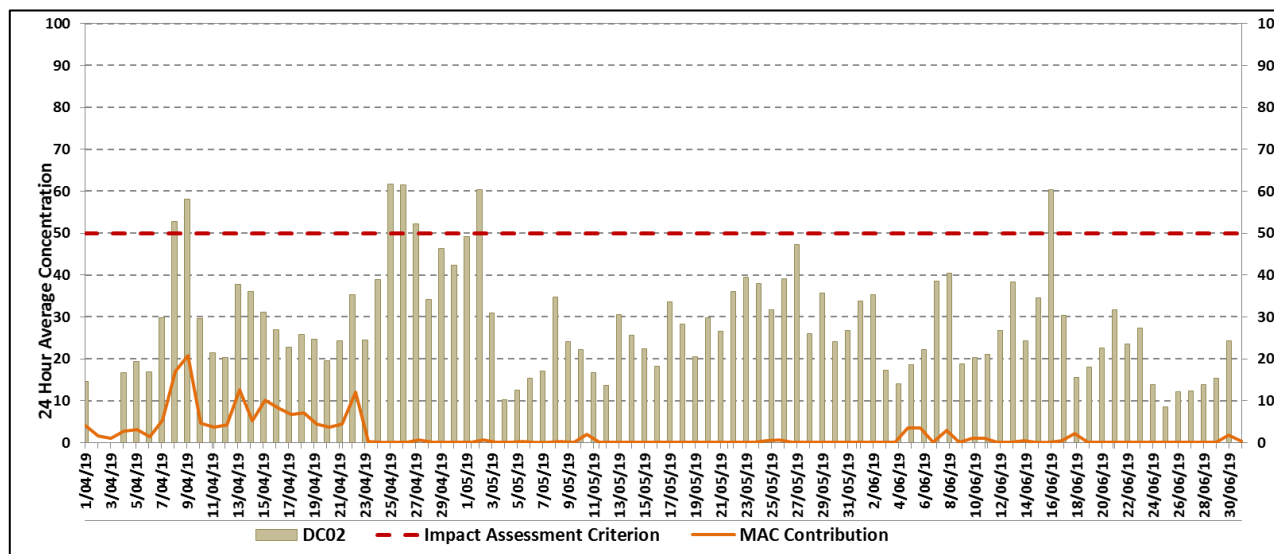
## Air Quality Monitoring (Period 1 April to 30 June 2019)

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

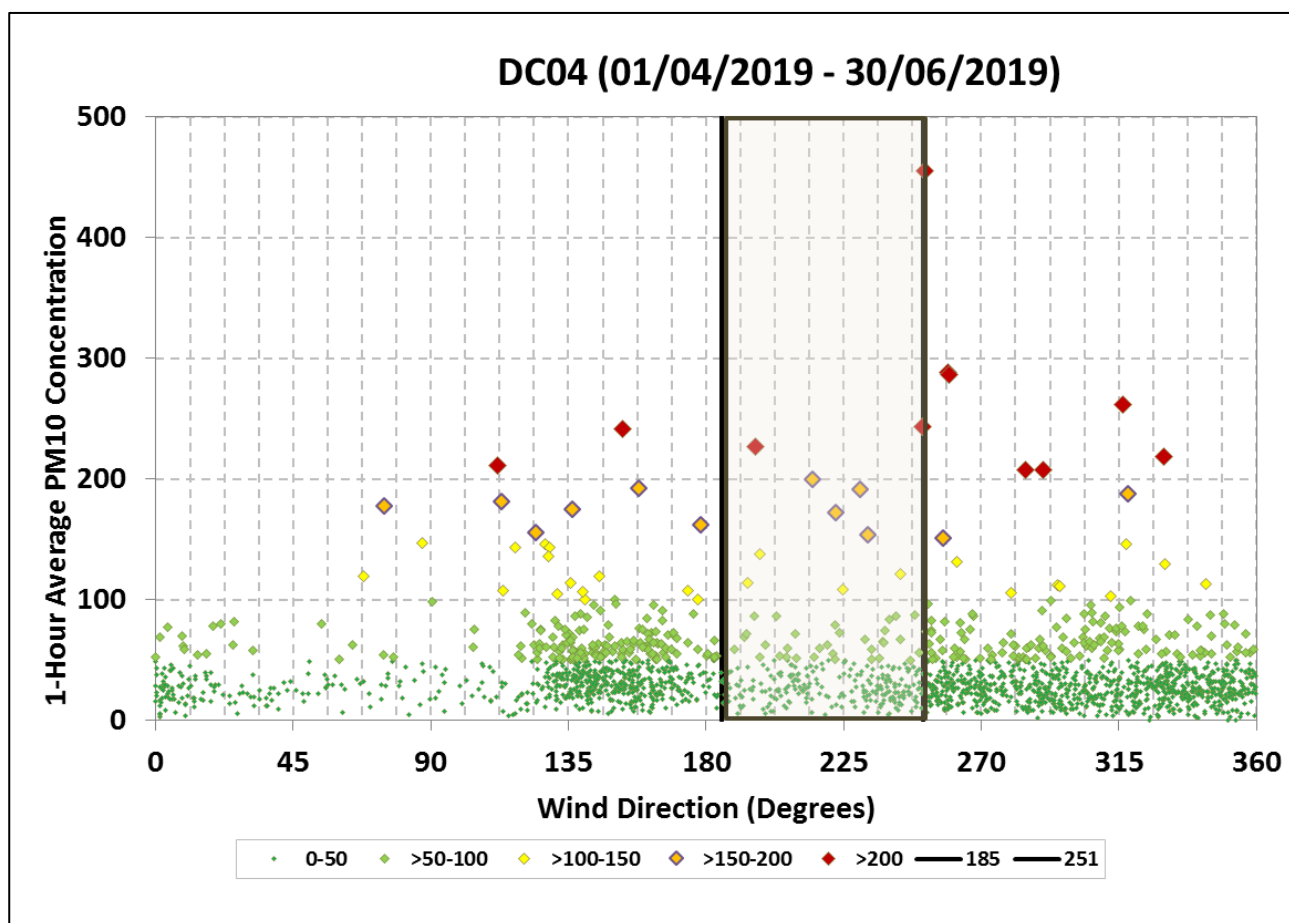
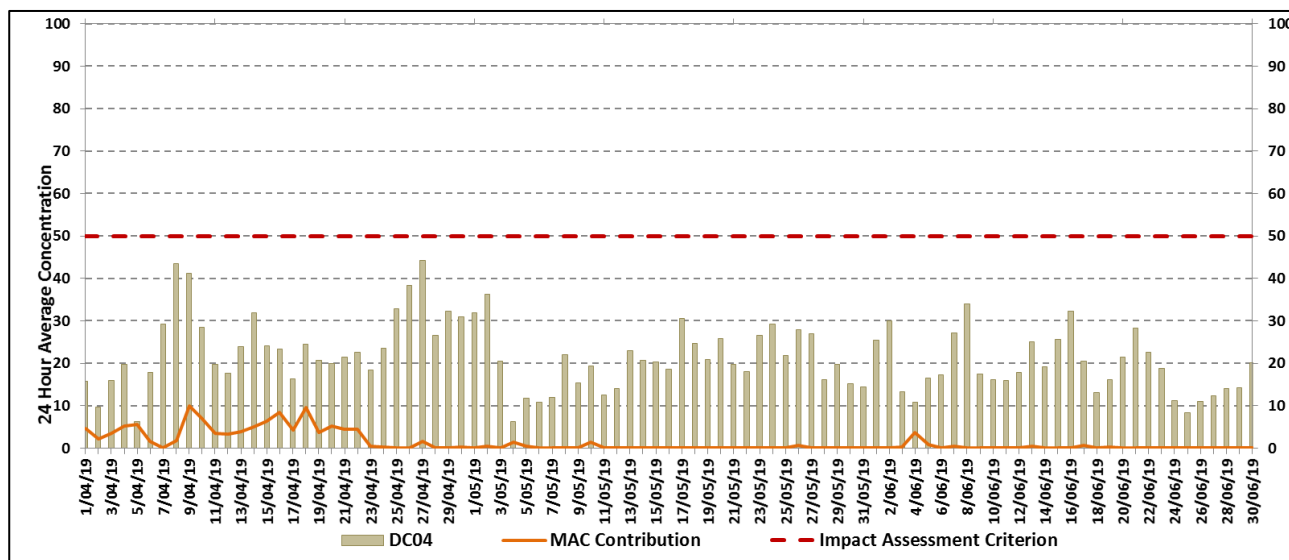
### Equipment Issues Summary

Site	Date/s	Reason
DC02	02/04/2019	Equipment reliability issues – <75% data capture
DC02	03/04/2019	Equipment reliability issues – <75% data capture
DC06	23/04/2019	Equipment reliability issues – <75% data capture
DC06	24/04/2019	Equipment reliability issues – <75% data capture
DC07	06/06/2019	Equipment reliability issues – <75% data capture

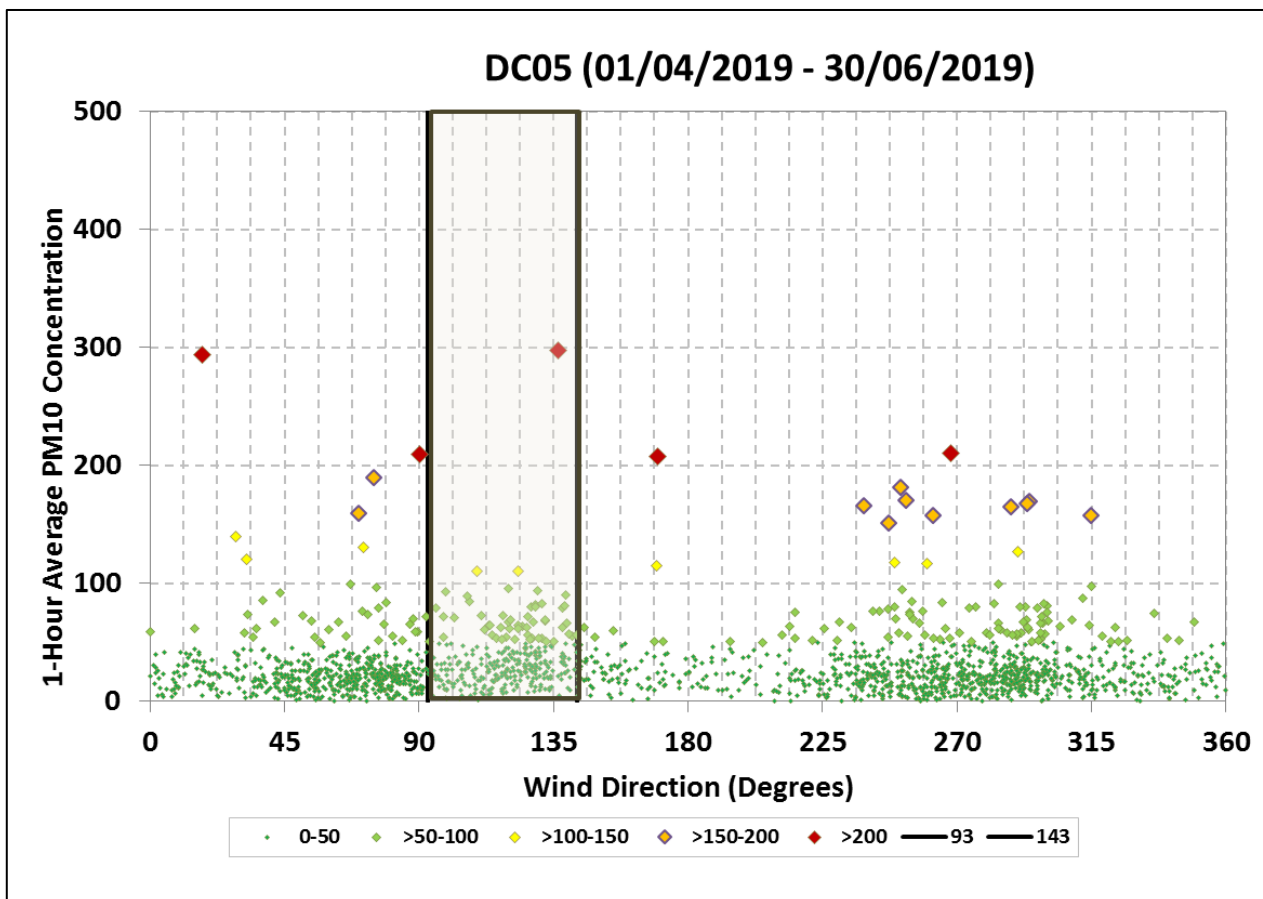
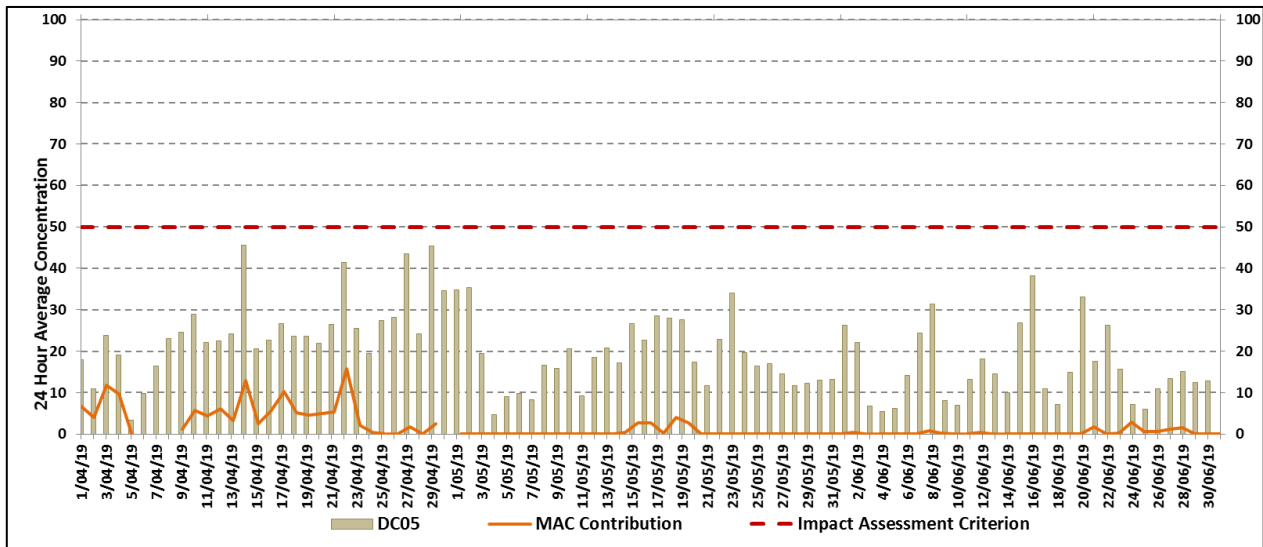
### Sheppard Avenue – DC02



## South Muswellbrook – DC04

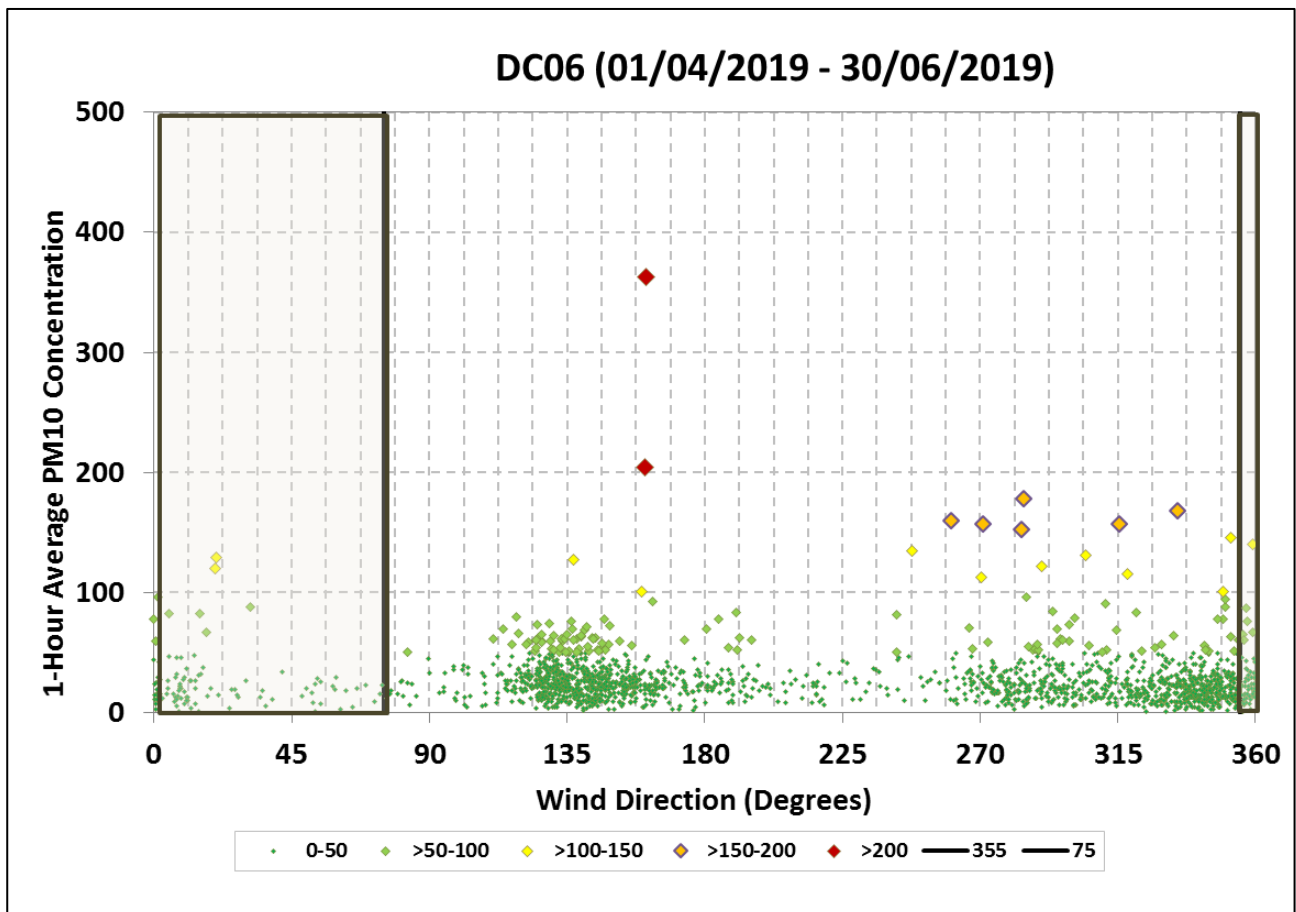
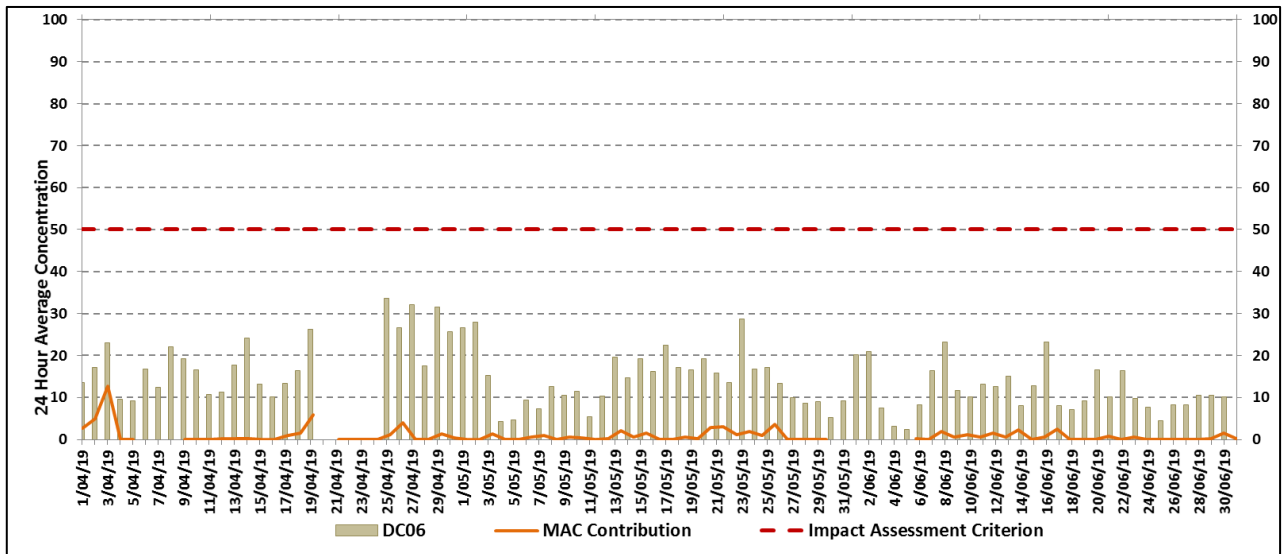


## Roxburgh Road – DC05

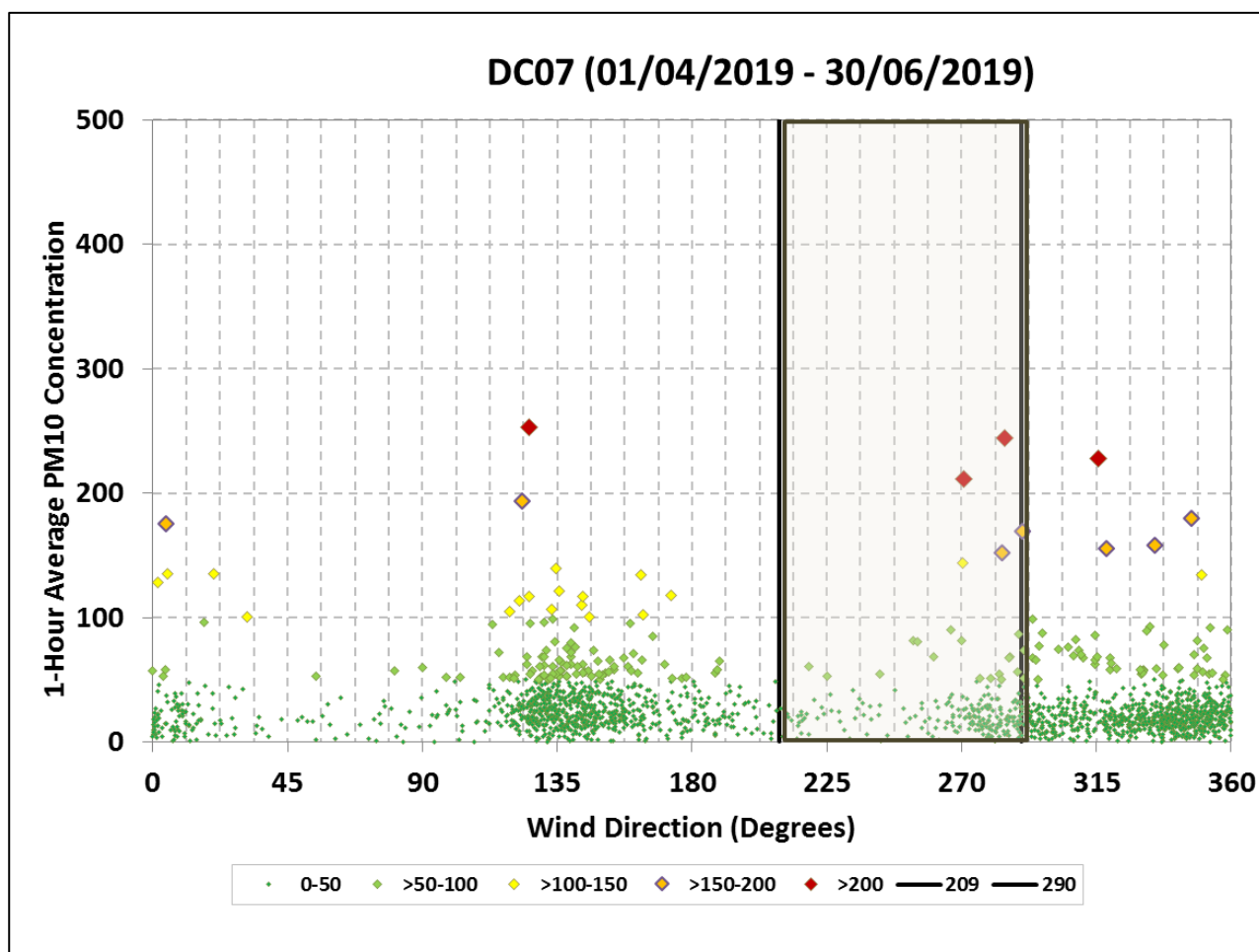
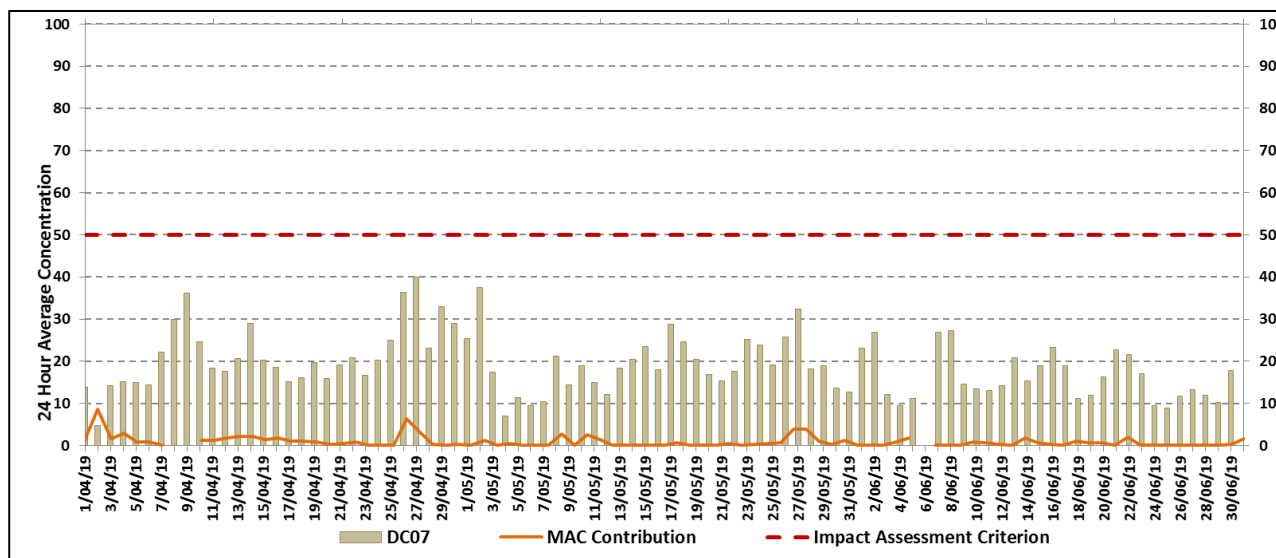




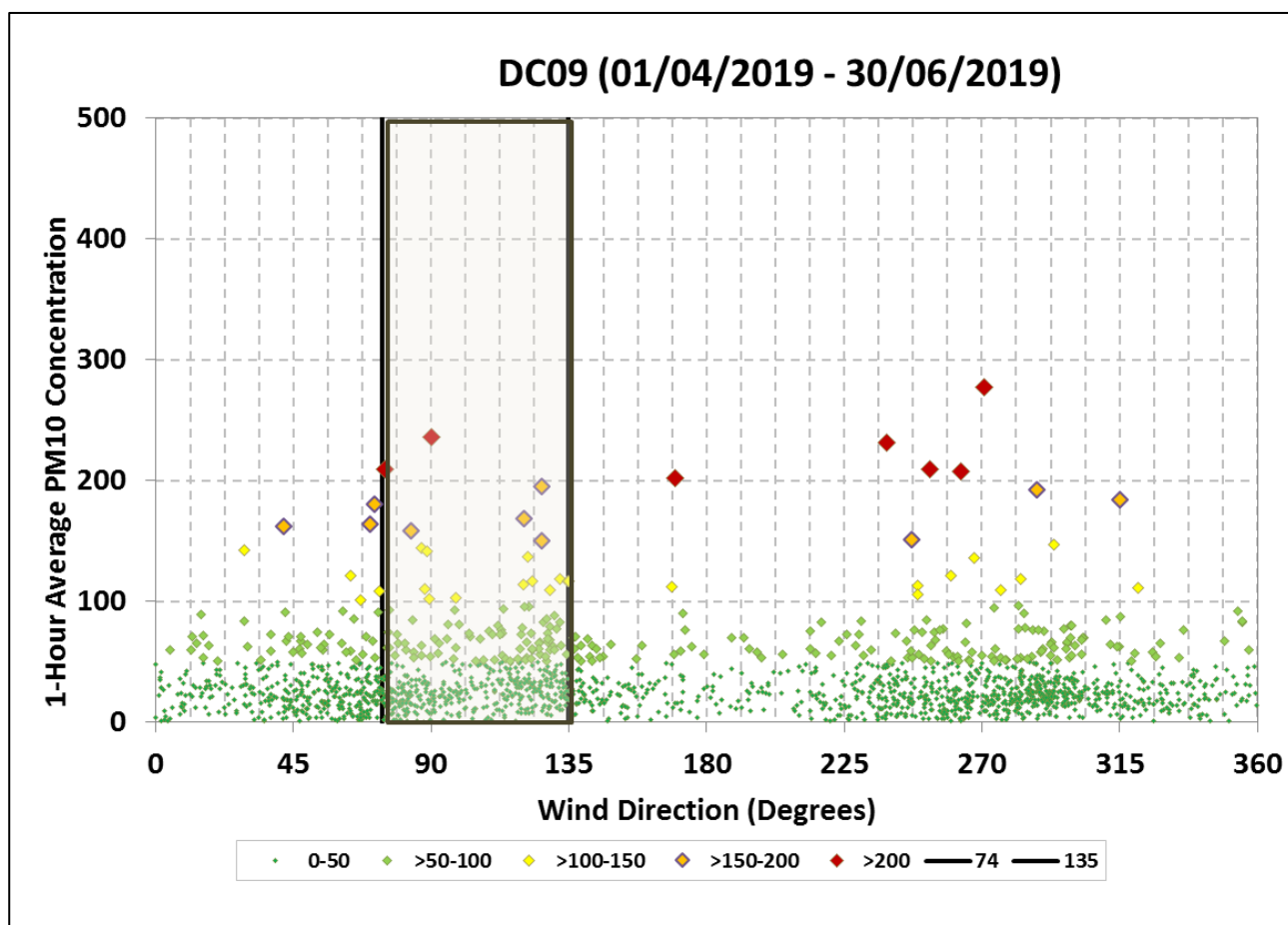
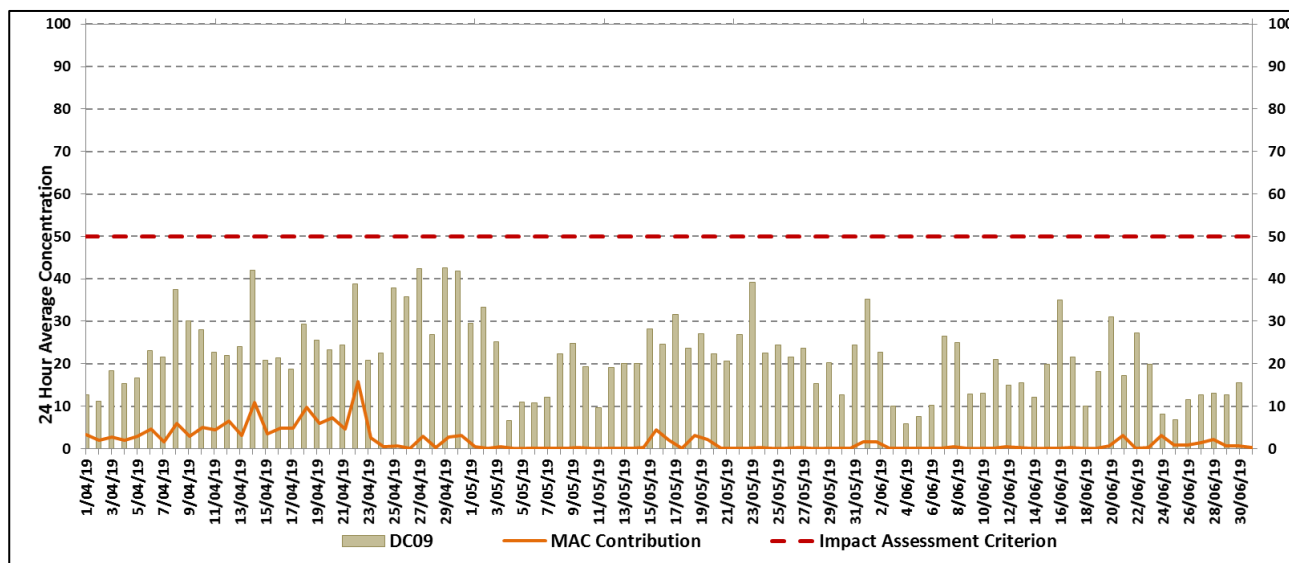
## Edderton Homestead - DC06



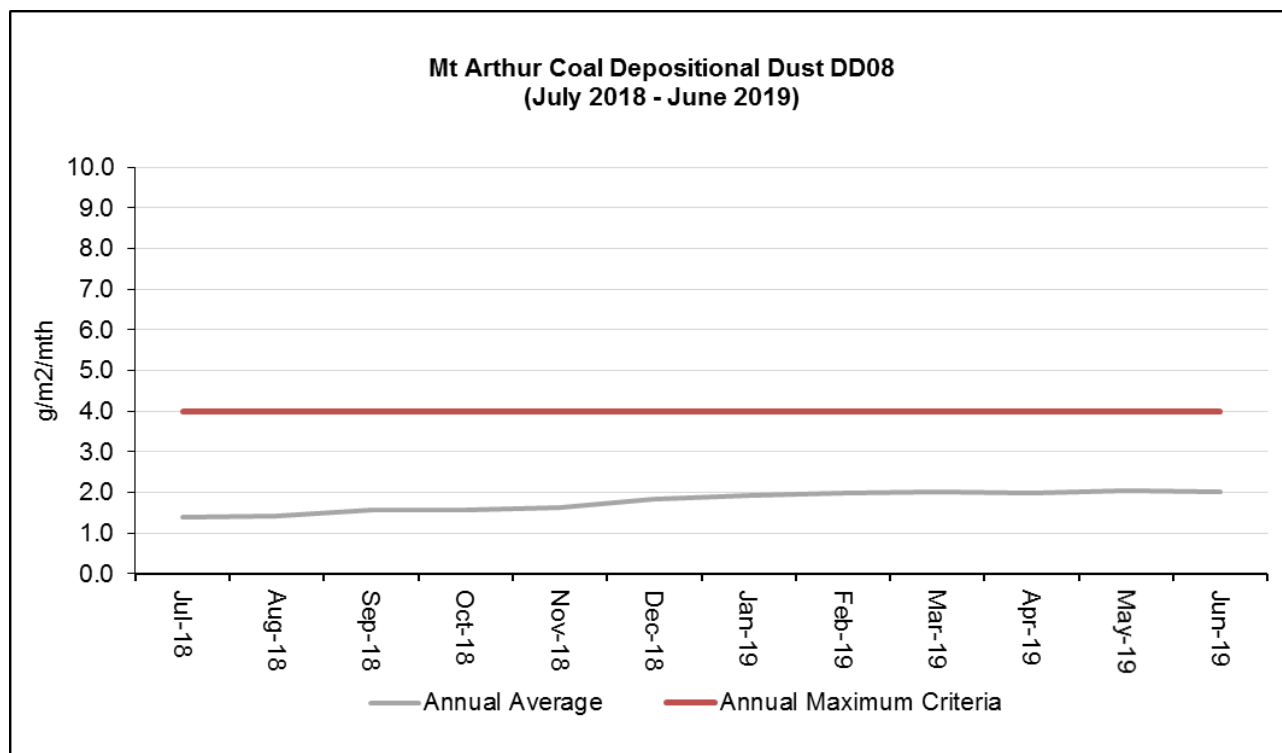
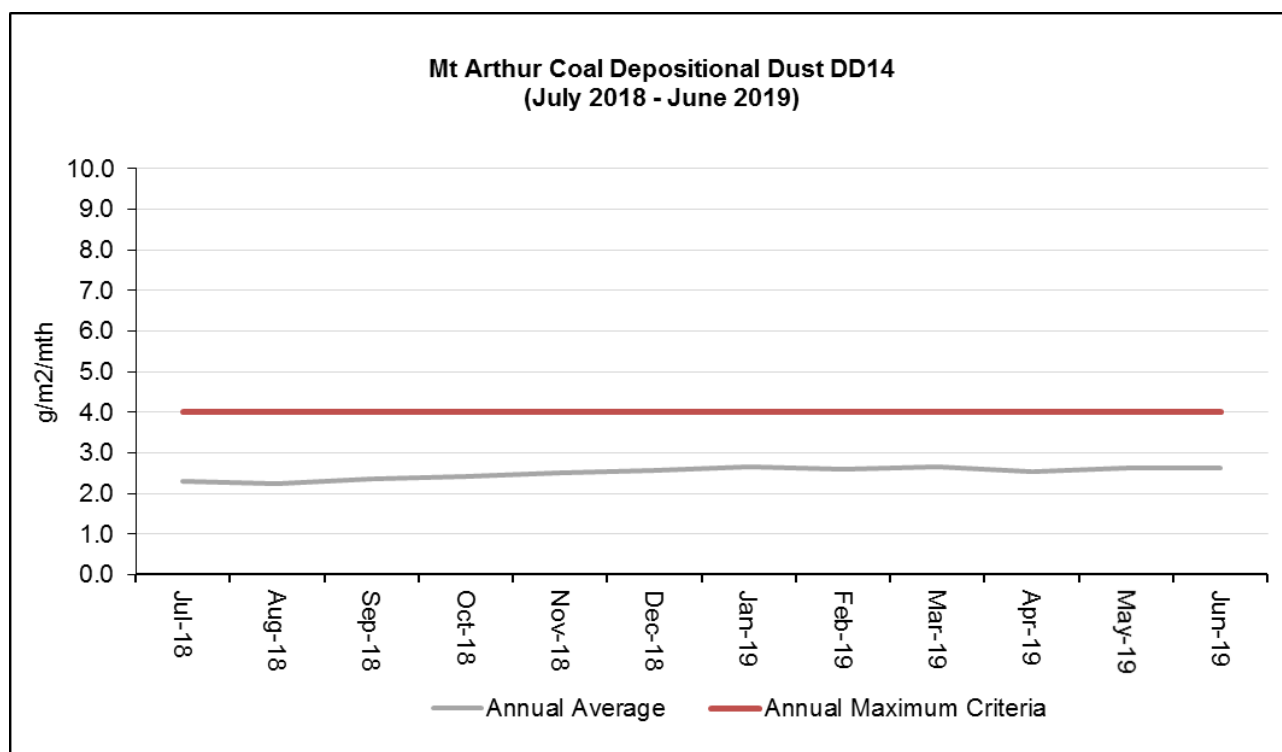
## Antiene - DC07



## Wellbrook – DC09





**Deposited Dust****DD08****DD14**

**Water Monitoring (Period 1 April to 30 June 2019):**

- There were no occurrences within the reporting period where either surface or groundwater sampling points exceeded trigger levels.

**Table 2 Water Monitoring Performance Summary**

Date	Monitoring Location	Details
-	-	-

**Blast Monitoring (Period 1 January to 31 March 2019)**

- There were no exceedances of blasting criteria during the reporting period.

**Table 3 Blast Monitoring Performance Summary**

Date	Monitoring Location	Details
-	-	-

**Environmental Incidents**

- Penalty Infringement Notice from EPA dated 23 July 2019 for event on 26 October 2018 relating to observation of dust emissions along Denman Road.
- Blast fume event on the 17 April 2019. EPA Notice to Provide Information (and subsequent Variation Notice/s) complied with. No further update available.

**Environmental Reporting**

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

### April 2019

Date and time	From	Issue	Lodgement type	Investigation and response to caller
17/04/2019	Muswellbrook	Blast Fume	Lodged with Third Party	Investigation revealed fume event occurred after blast. Nil Injury or Health Impact. Department was advised of investigation and monitoring results.
17/04/2019 2:01	Roxburgh Road	Operational Noise	Community Response Line	Investigation revealed no unusual mining operations were occurring at the time. Results at the nearest real-time monitor indicated noise levels were within regulatory criteria.

### May 2019

Date and time	From	Issue	Lodgement type	Investigation and response to caller
02/05/2019 13:16	Racecourse Road/Sheppard Avenue	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.
08/05/2019 21:32	Muswellbrook	Lighting	Community Response Line	Investigation revealed location of lights, which were redirected or turned off. Caller was not advised of investigation results and action taken.
08/05/2019 18:30	Racecourse Road/Sheppard Avenue	Lighting	Community Response Line	Investigation revealed location of lights, which were redirected or turned off. Caller was not advised of investigation results and action taken.
18/05/2019 22:44	Roxburgh Road	Operational Noise	Community Response Line	Investigation revealed no unusual mining operations were occurring at the time. Results at the nearest real-time monitor indicated noise levels were within regulatory criteria.

### June 2019

Date and time	From	Issue	Lodgement type	Investigation and response to caller
26/06/2019 3:32	Roxburgh Road	Operational Noise	Community Response Line	Investigation revealed no unusual mining operations were occurring at the time. Results at the nearest real-time monitor indicated noise levels were within internal benchmarks. Caller did not request to be called back regarding investigation and monitoring results.