

Mt Arthur Coal Community Consultative Committee

Planned meeting date: 14
August 2024

Information provided: 1 Apr
2024 to 30 Jun 2024

Environmental Management

FY24 Rehabilitation Update



Figure 1 Rehabilitation works underway at VD5 along Denman Road.

Mt Arthur achieved the FY24 rehabilitation target of 145 Hectares. This is understood to be the largest financial year target achieved under the current Project Approval. This was a fantastic achievement by the teams involved and has ensured Mt Arthur continues to improve visual amenity of the site along with meeting regulatory commitments. The FY25 rehabilitation target is 135 hectares.

Land Management

Weed treatment continues to focus on the species within the table below. MAC has been in contact with local weed management officials to ensure there is alignment on focus species. Work in the following areas was completed during the reporting period:

- EME/Core shed – Golden Wreath Wattle, African Boxthorn, African Olive
- VD5 – Kikuyu grass
- VD – Perimeter spray
- CD1 – Coolatai
- CHPP Bund – Golden Wreath Wattle
- Lendlease Road – exotic grasses

- Old Edderton Road and some rehab areas – Johnson grass

| Species | Common Name |
|---------------------------------------|----------------------|
| <i>Acacia saligna</i> | Golden Wreath Wattle |
| <i>Hyparrhenia hirta</i> | Coolatai grass |
| <i>Lycium ferocissimum</i> | African boxthorn |
| <i>Olea europaea subsp. Cuspidate</i> | African olive |
| <i>Pennisetum clandestinum</i> | Kikuyu |
| <i>Sorghum halepense</i> | Johnson grass |

Environmental Performance

Air Quality Monitoring (1 April 2024 to 30 June 2024)

- This paper covers the performance of all six statutory PM10 monitoring sites using TEOMs, and the two dust deposition gauges.
- During the reporting period, elevated absolute PM10 concentrations were not recorded at any of the the statutory TEOM monitoring sites.
- Table 1 below provides an equipment performance summary. Over 95% of dust data captured from all six statutory PM10 monitoring sites during the reporting period. Uptime percentages have continued to improve on the back of several improvement initiatives including the purchase of new TEOMs, UPS battery units & communication loggers.

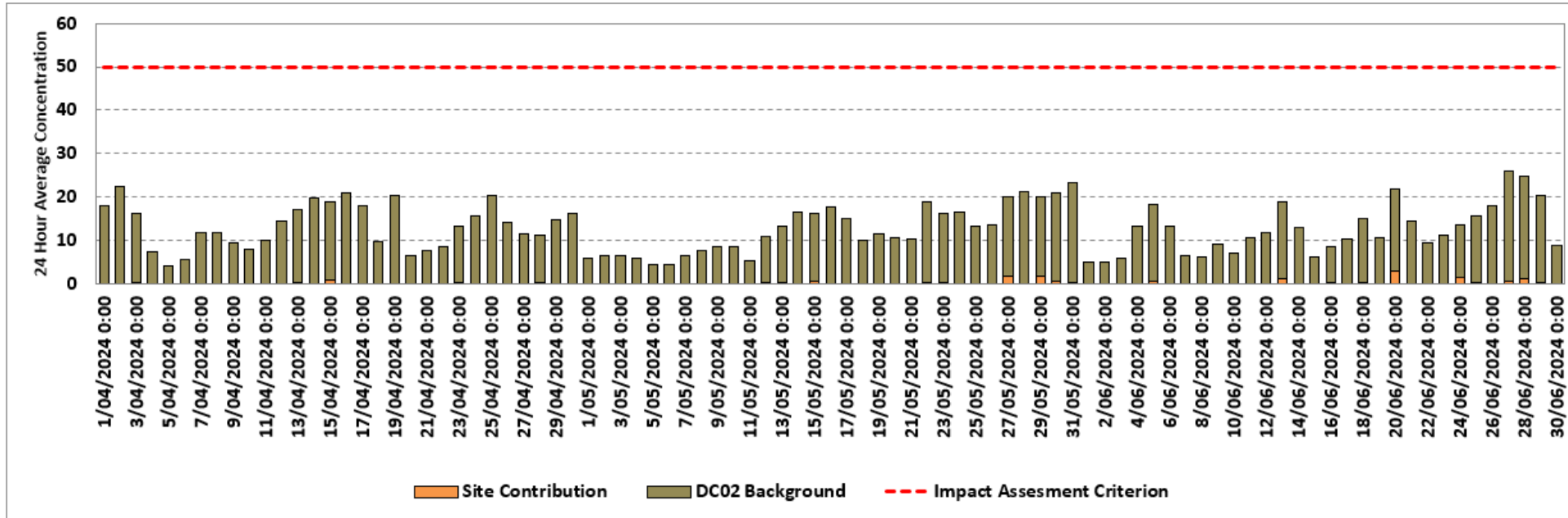
Table 1. Equipment Performance Summary

| Site | Date/s | Reason |
|------|--------------------------|--|
| DC06 | 03/04/2024 | During the period listed <75% data captured due to power or equipment connectivity issues. |
| DC09 | 01/04/2024 to 04/04/2024 | During the period listed <75% data captured due to power or equipment connectivity issues. |

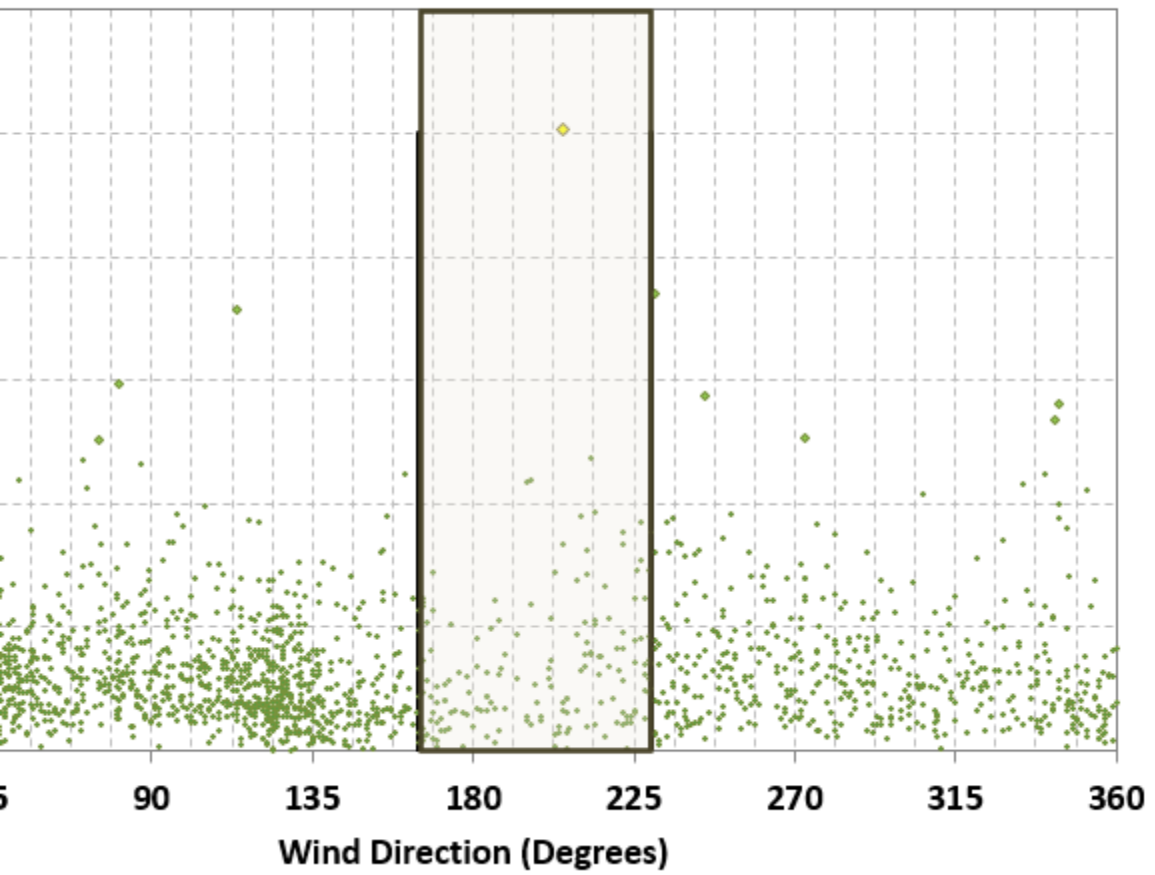
- A guide has been provided at the end of this section to assist in the interpretation of the results and figures. The figures within this section have been developed in line with consultation with members of the CCC.

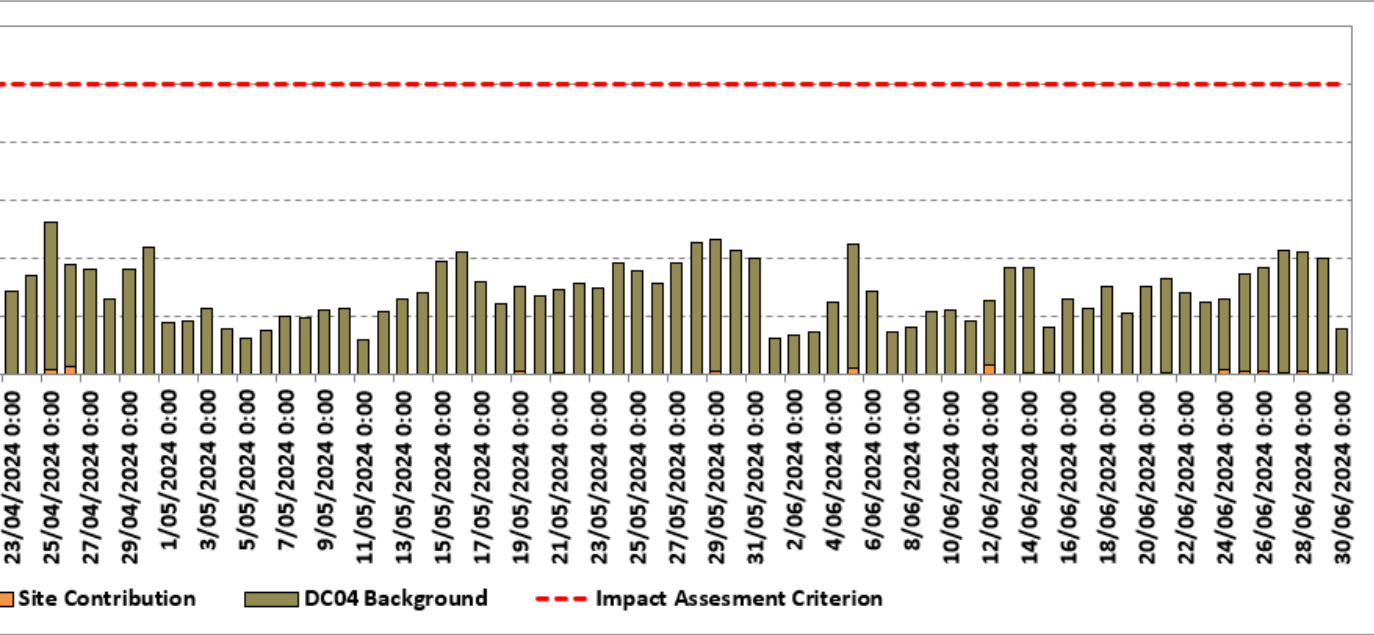
Sheppard Avenue – DC02

Data capture – 100%

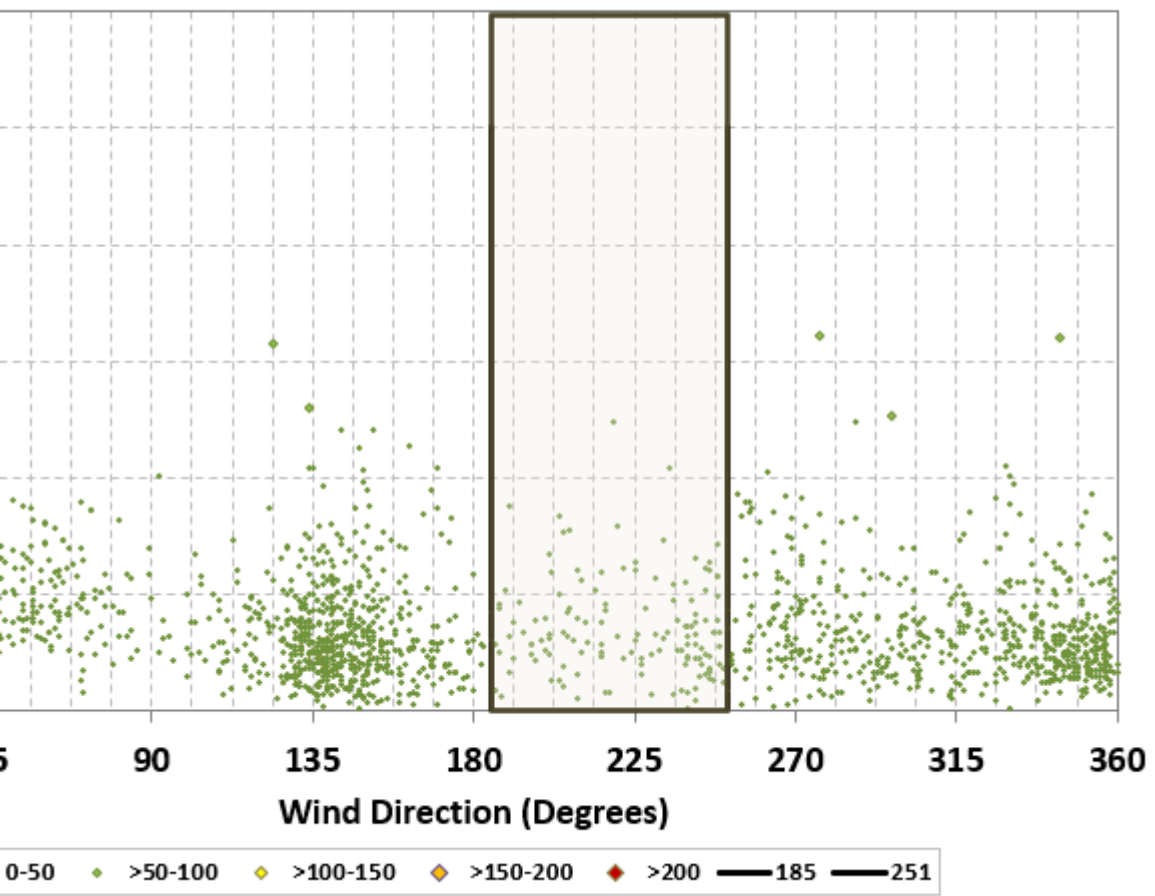


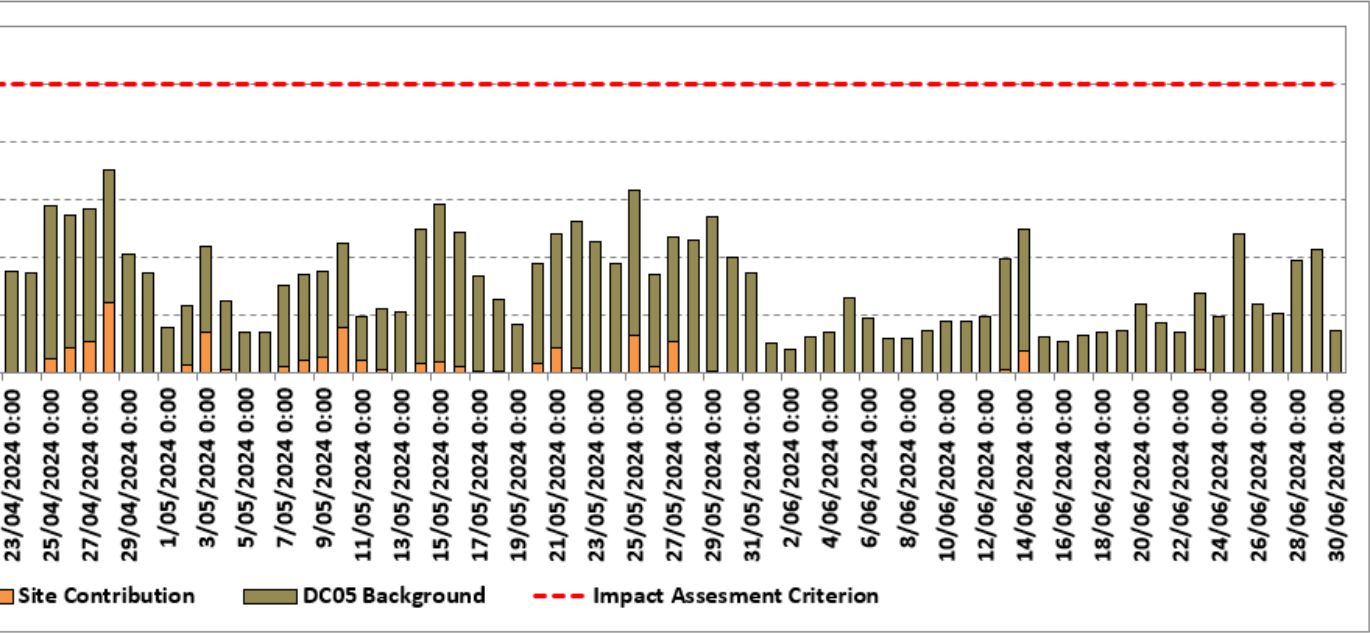
DC02



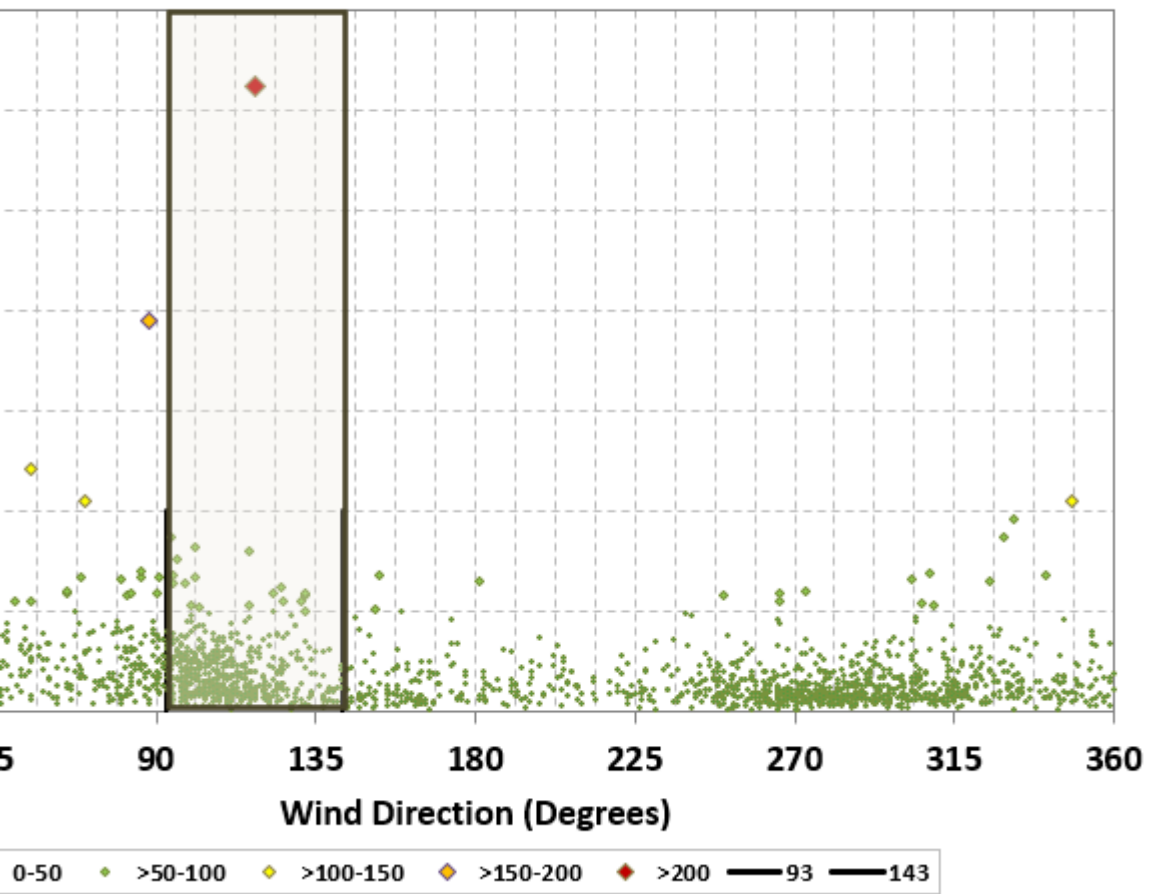


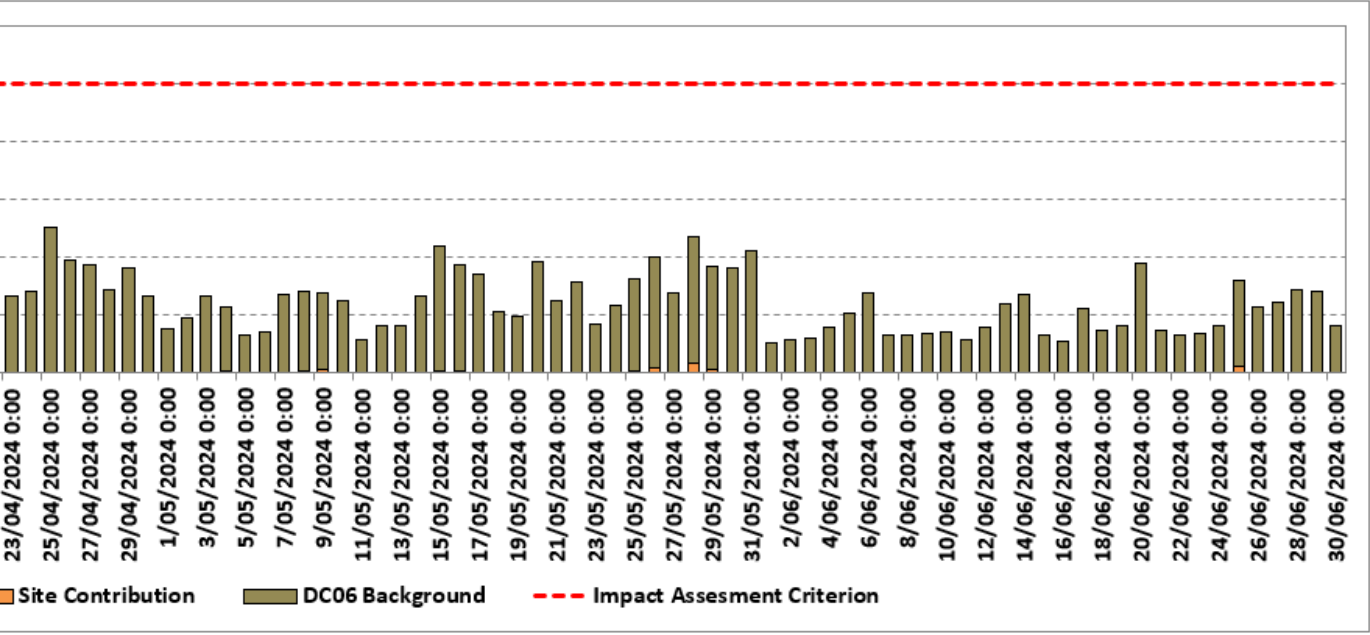
DC04



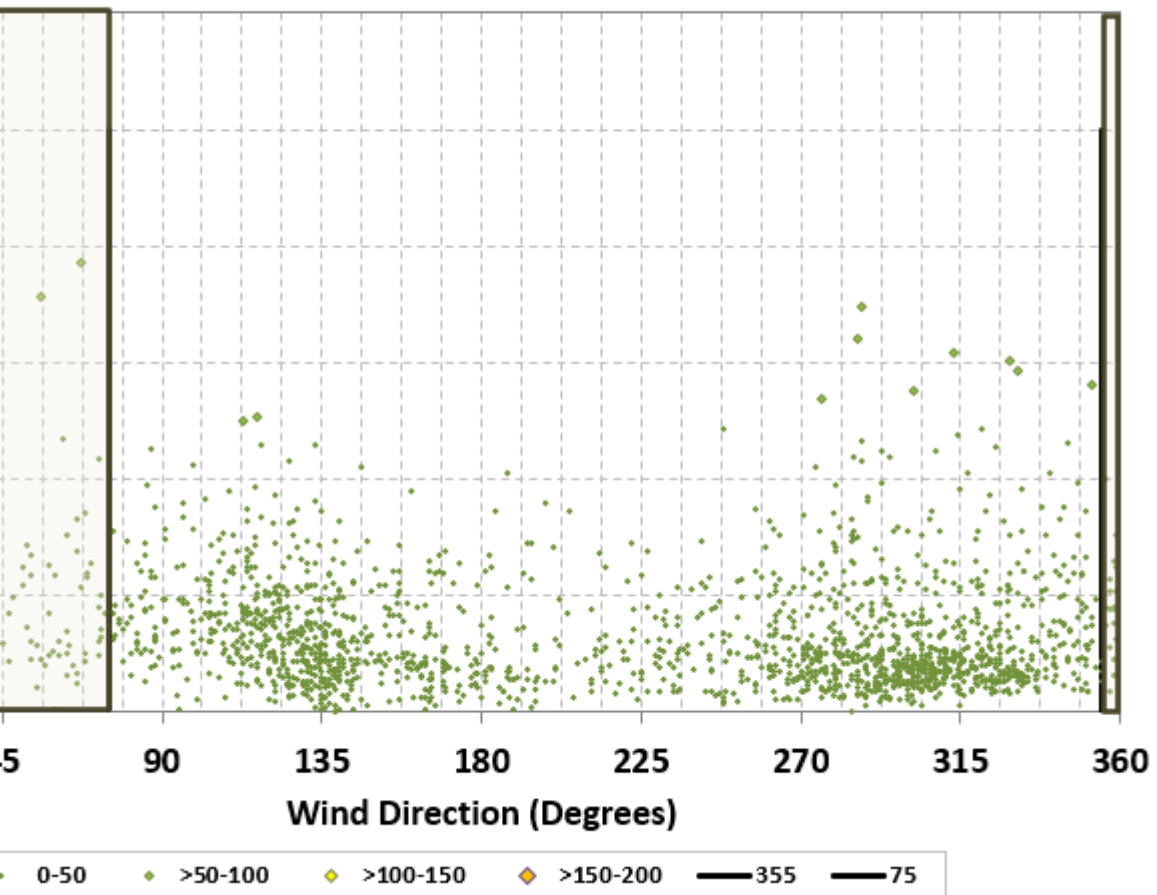


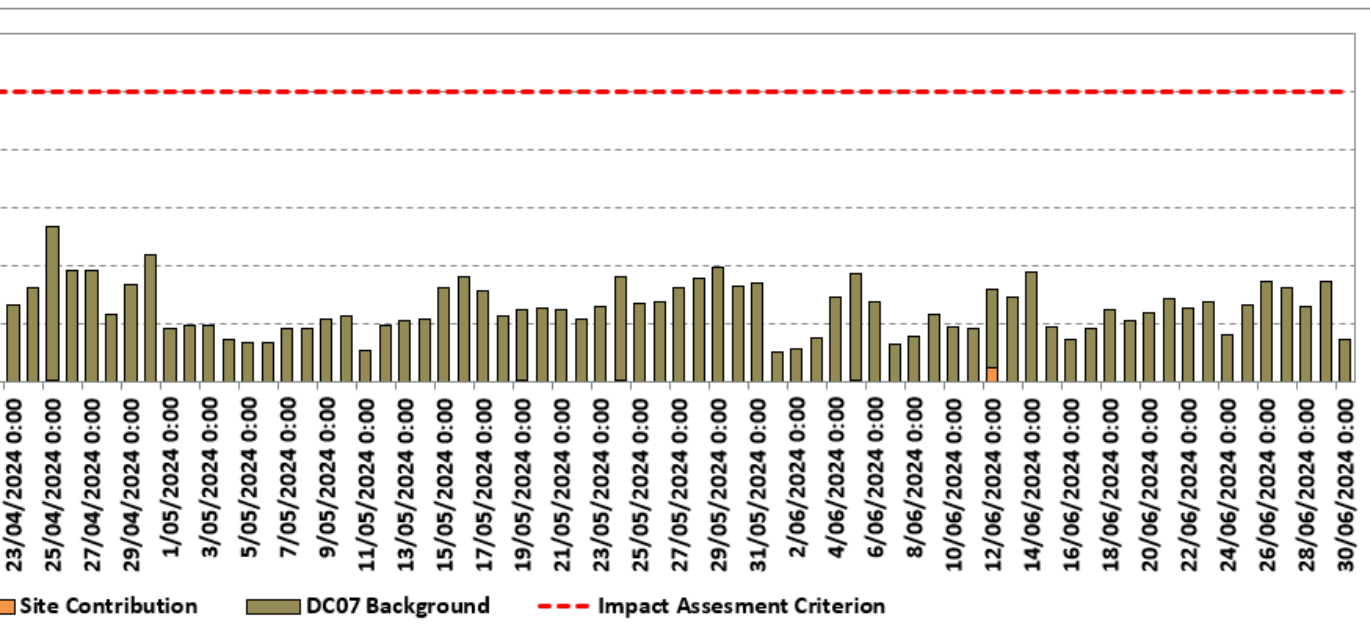
DC05



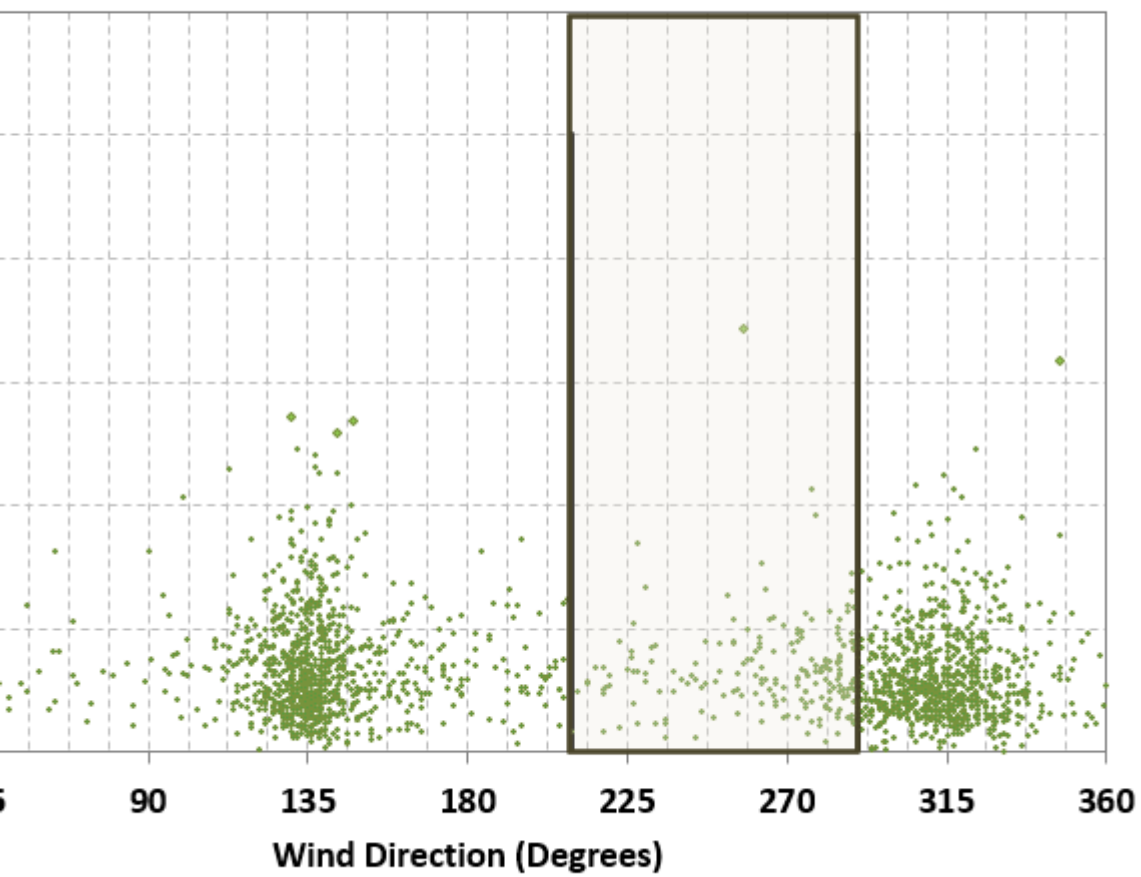


DC06

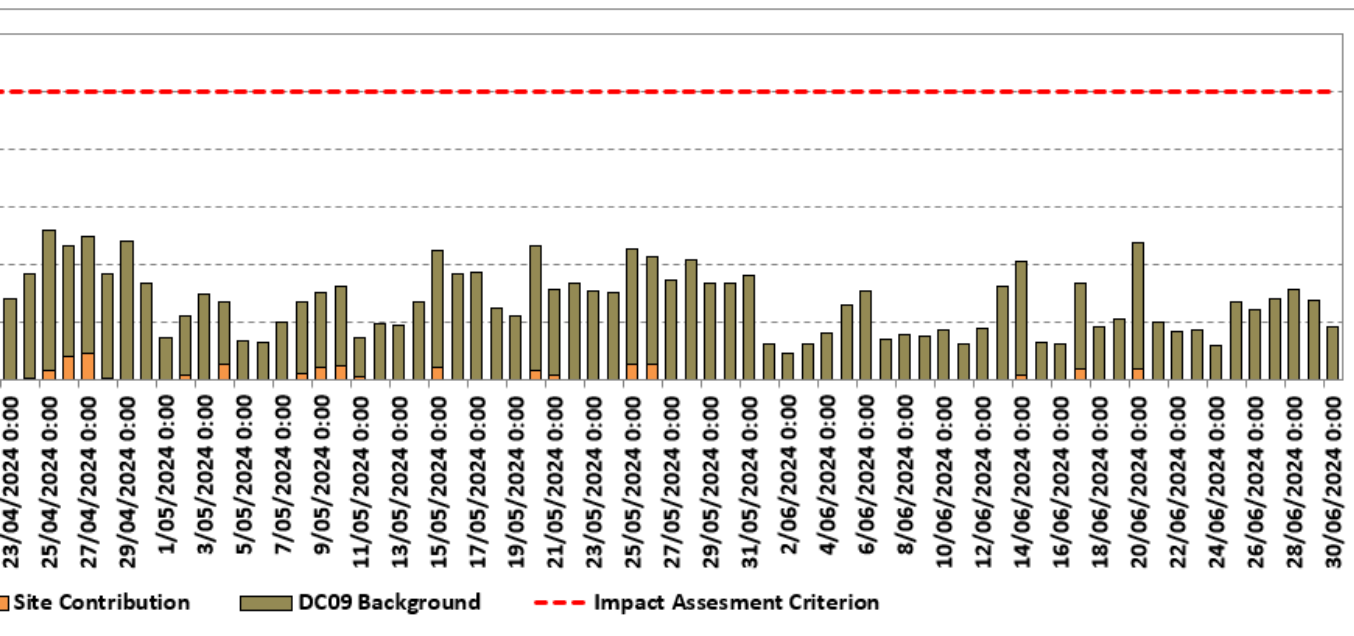




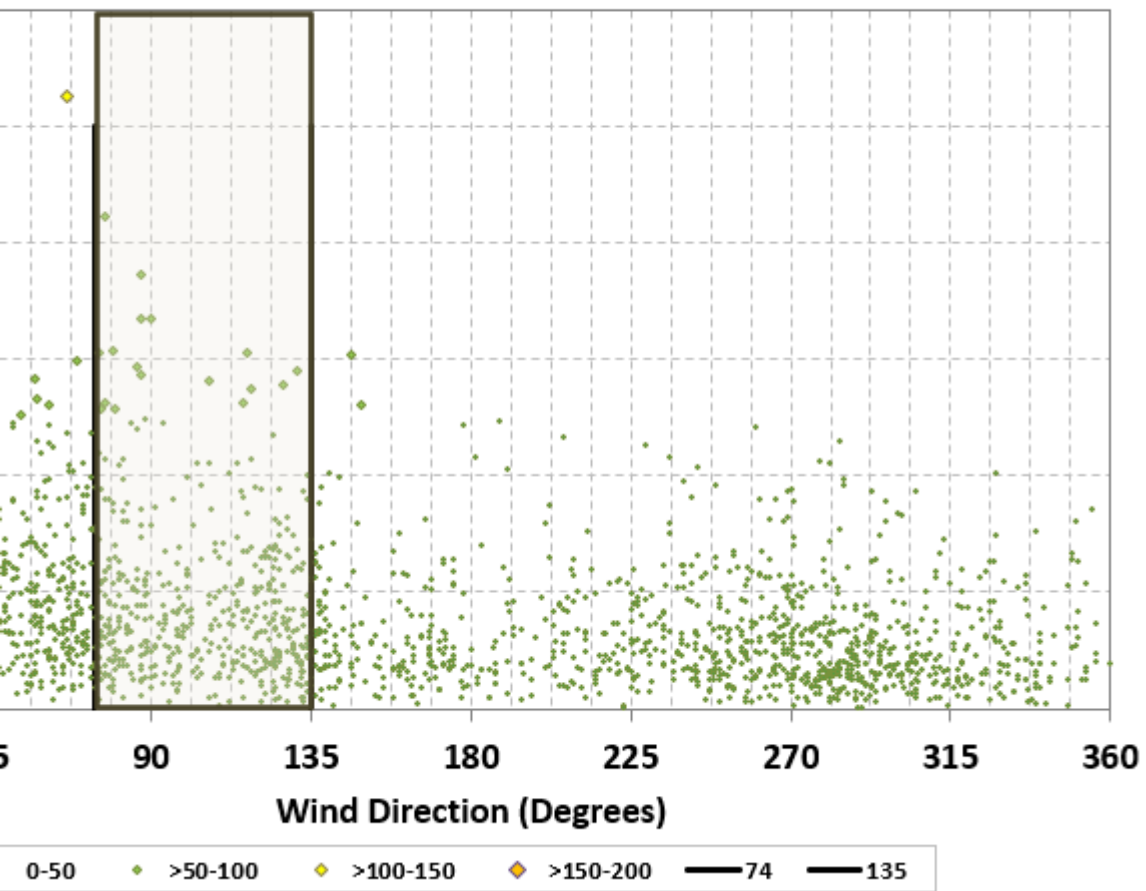
DC07



0-50 >50-100 >100-150 >150-200 >200 — 209 — 290

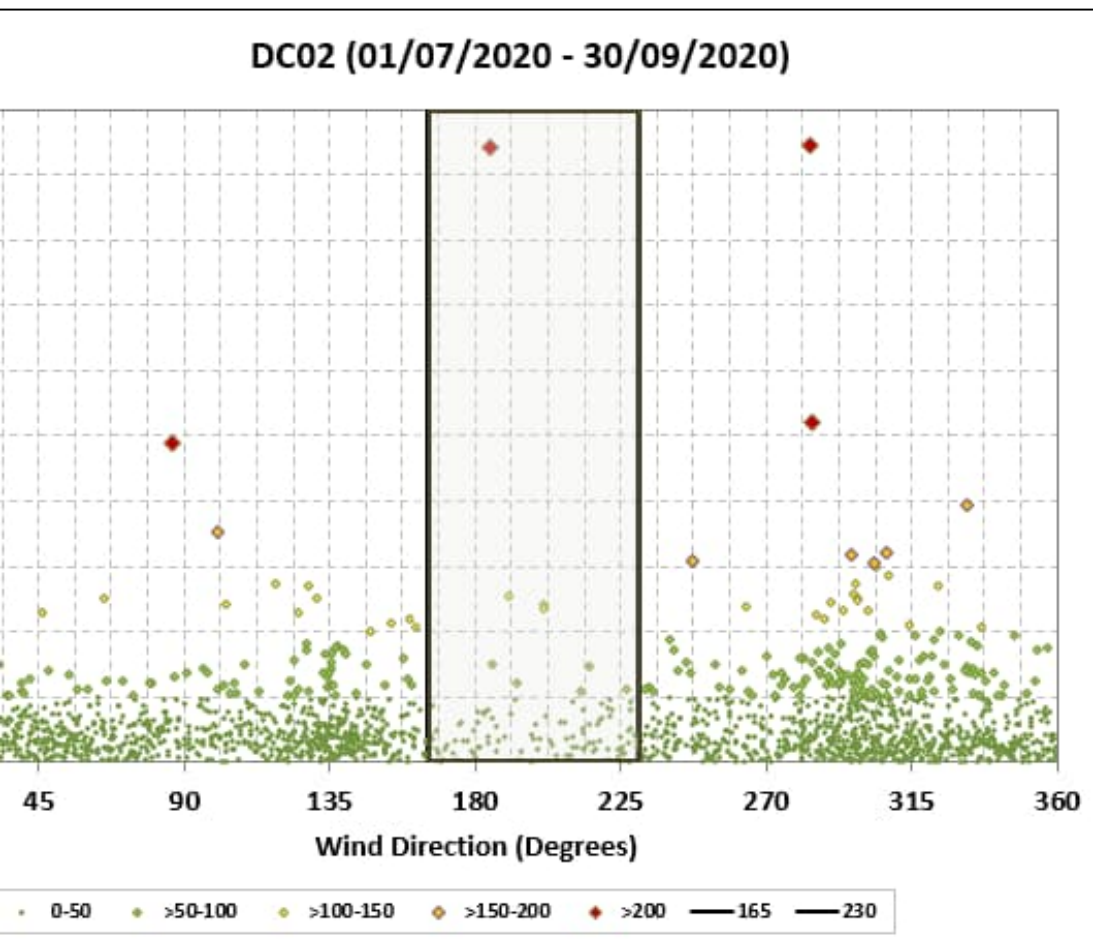


DC09

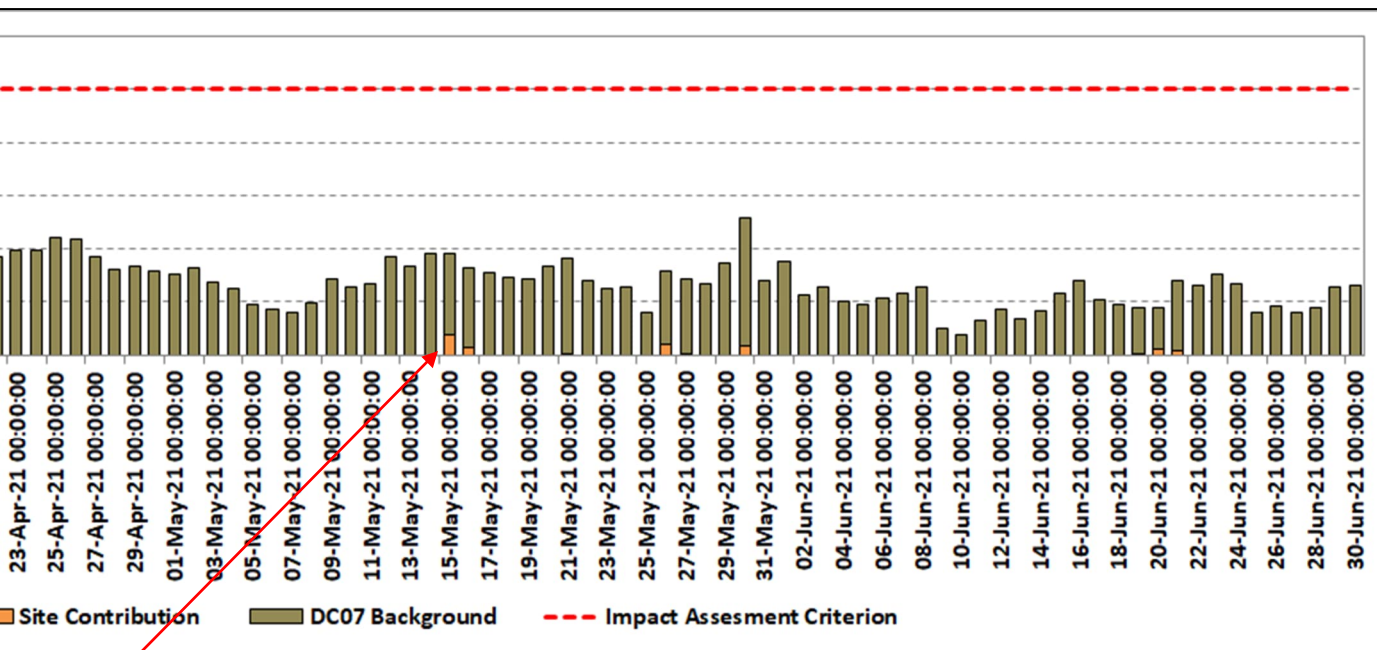


Discussion

The interpretation of the air quality monitoring results and figures within this report.



Discussion continued

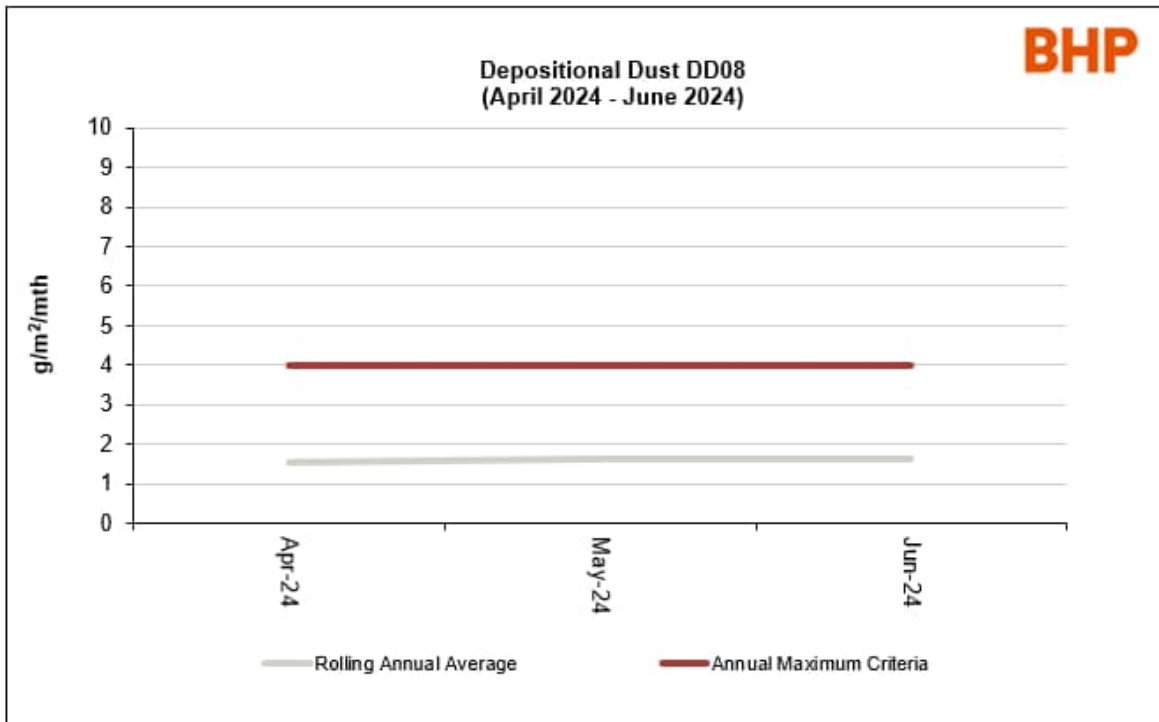


daily 24hr PM10 concentrations along with the incremental Mt Arthur shows that the cumulative 24hr concentration ('Background') of incremental concentration ('Site Contribution') is represented by the

Deposited Dust

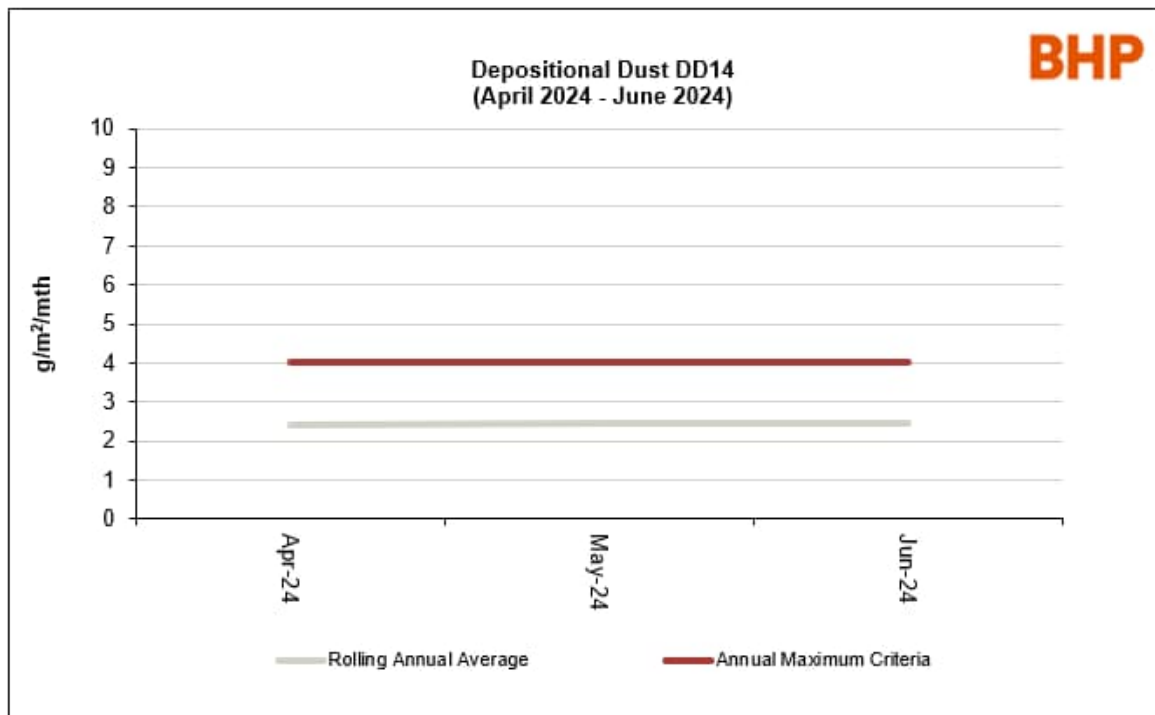
DD08

Data capture – 100%



DD14

Data capture – 100%



Water Monitoring (1 April 2024 to 30 June 2024)*Groundwater*

Groundwater monitoring was undertaken in June 2024 with results currently being analysed to be collated with the FY24 Annual Review. Results from the June 2024 monitoring round will be communicated at the next CCC. The groundwater monitoring that was undertaken in March 2023 has been analysed with level exceedances detected at VWP07_418 and VWP X1_S-2(59) and a pH exceedance at X14MB-2D in line with the Water Management Plan (WMP). These exceedances were all reported to DPHI and have been closed out with DPHI approving the three proposed recommendations.

Surface water

Surface water monitoring was conducted monthly during the three-month period with no exceedances reported in line with the WMP.

HRSTS Discharge Update (1 April 2024 to 30 June 2024)

Mt Arthur Coal did not discharge under the HRSTS scheme during the reporting period.

Blast Monitoring (1 April 2024 to 30 June 2024)

There were no exceedances of the upper or lower vibration limits or upper or lower overpressure limits during the reporting period.

Operational Noise Monitoring (1 April 2024 to 30 June 2024)

Monthly night-time compliance monitoring (attended) was completed to schedule by MAC's external expert consultant. MAC is not informed of when this monitoring is scheduled for completion to ensure there is a true representation of operational activities on any given night.

There were no exceedances of the threshold levels reported for any noise monitoring locations during the reporting period.

Environmental Incidents (1 April 2024 to 30 June 2024)Groundwater Exceedance

The groundwater monitoring that was undertaken in March 2023 has been analysed with level exceedances detected at VWP07_418 and VWP X1_S-2(59) and a pH exceedance at X14MB-2D. These exceedances were all reported to DPHI and have been closed out with DPHI approving the three proposed recommendations.

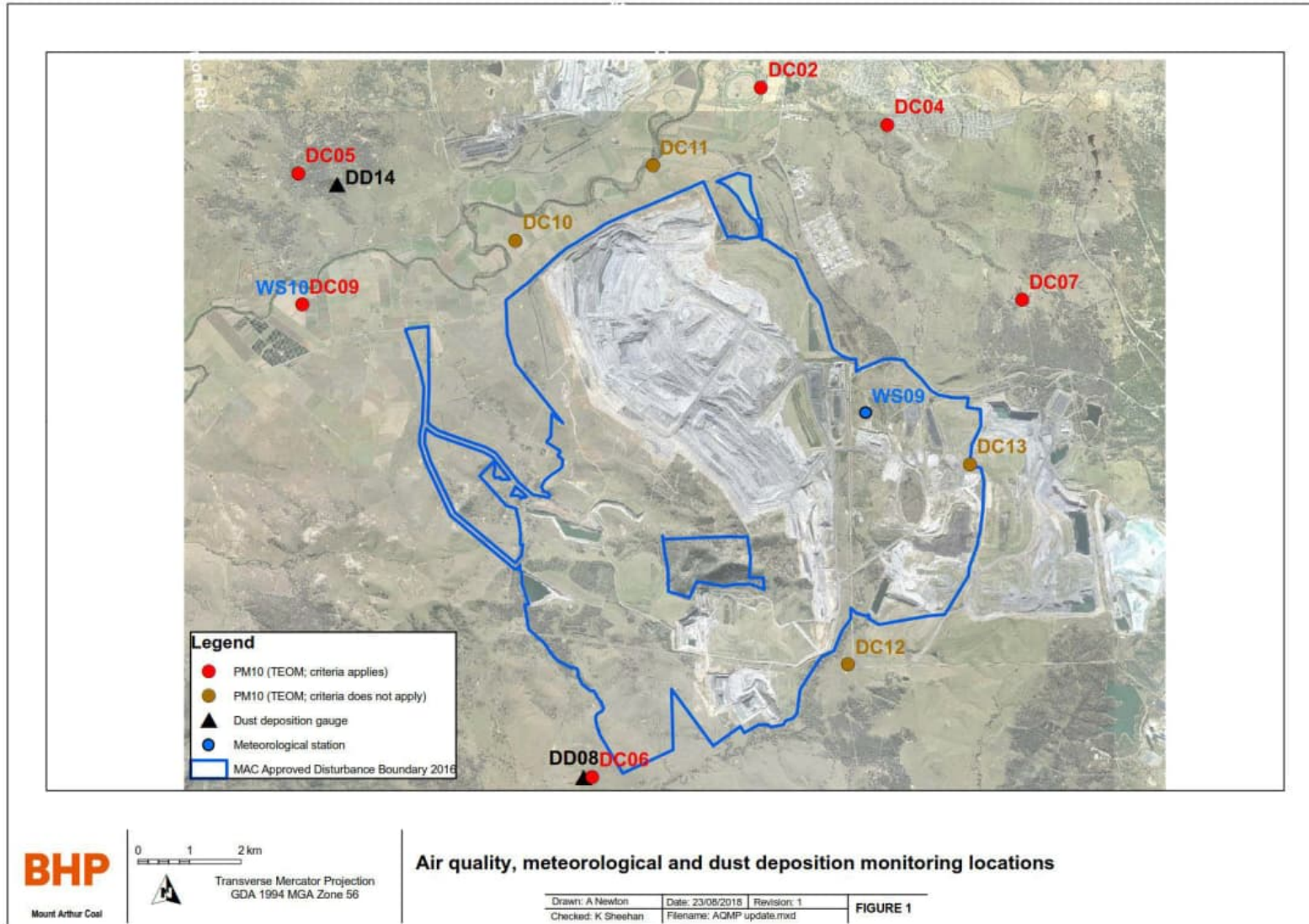
Environmental Reporting (1 April 2024 to 30 June 2024)Monthly Reporting

Historical information and reporting is available to view on the BHP website using the following link:

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

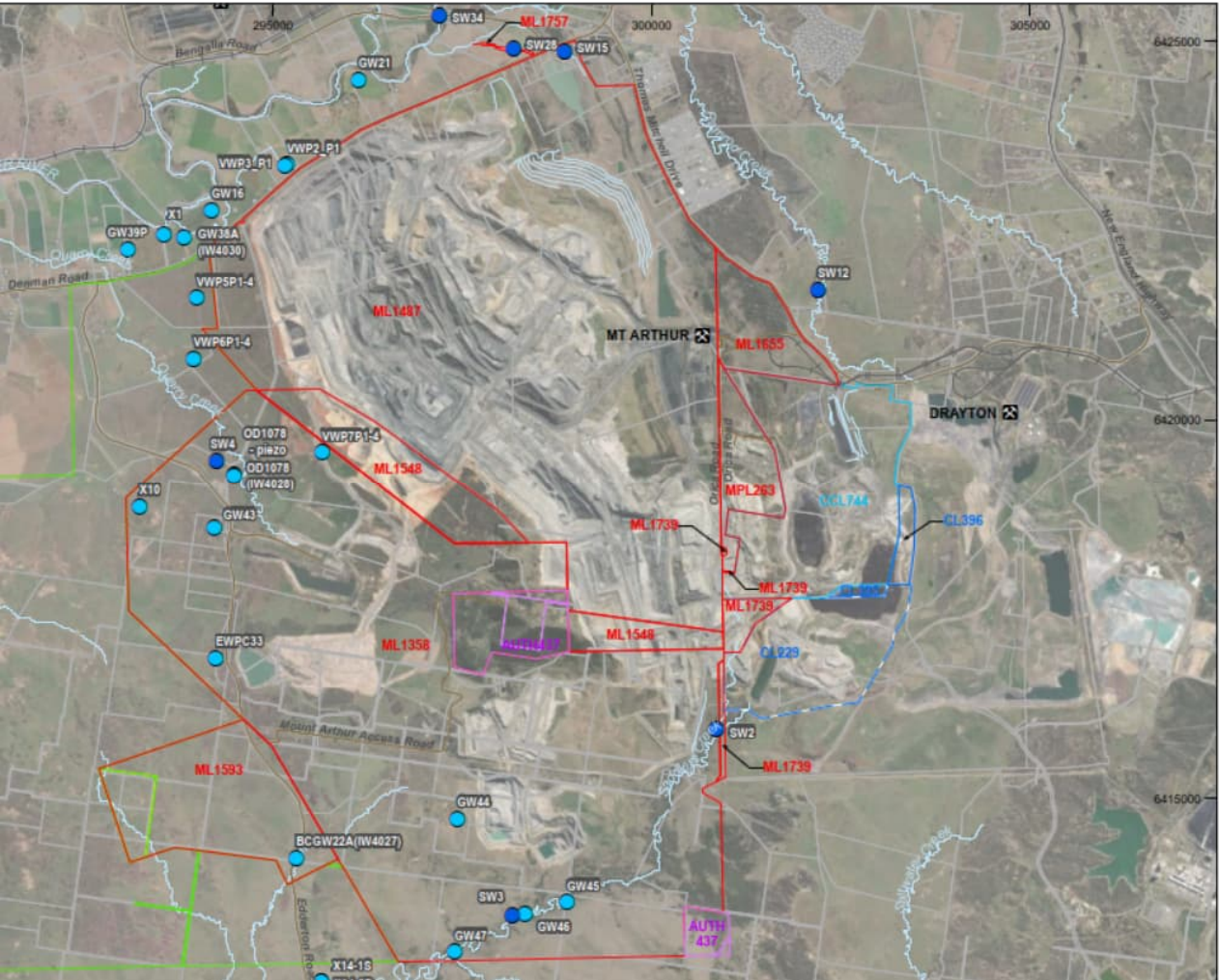
Environmental Monitoring Plans (for reference)

Air Quality and Meteorological Monitoring Locations (Source: Air Quality Management Plan)



and modified from: Site Water Management Plan)

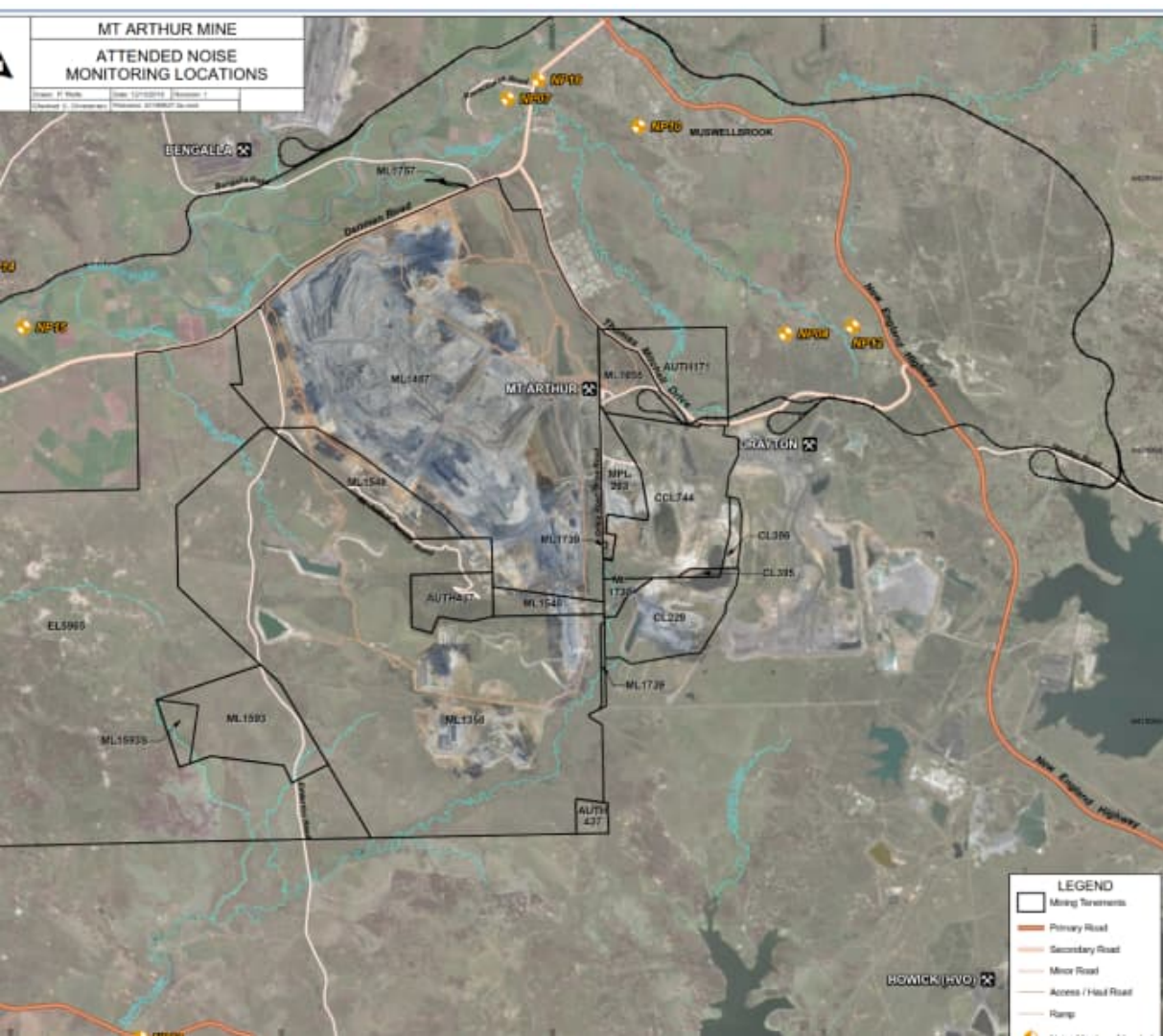
Monitoring Locations:



Blast Management Plan)

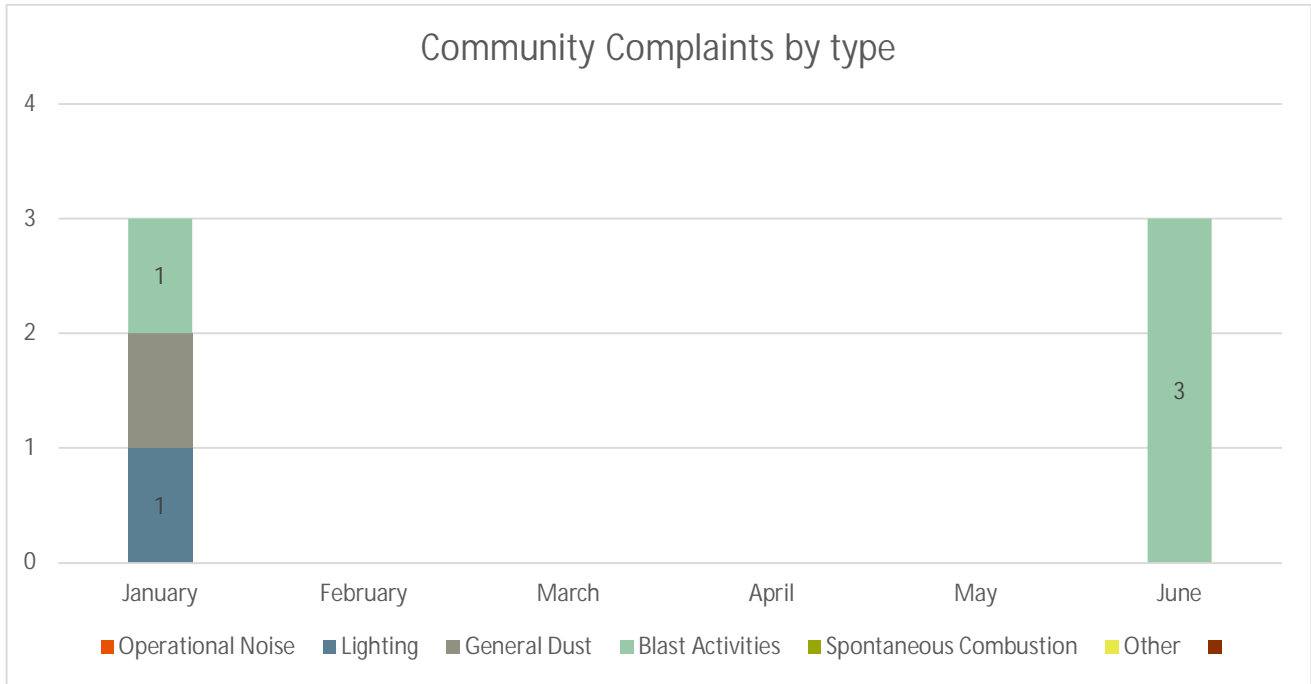


d) Locations (Source: Noise Management Plan)

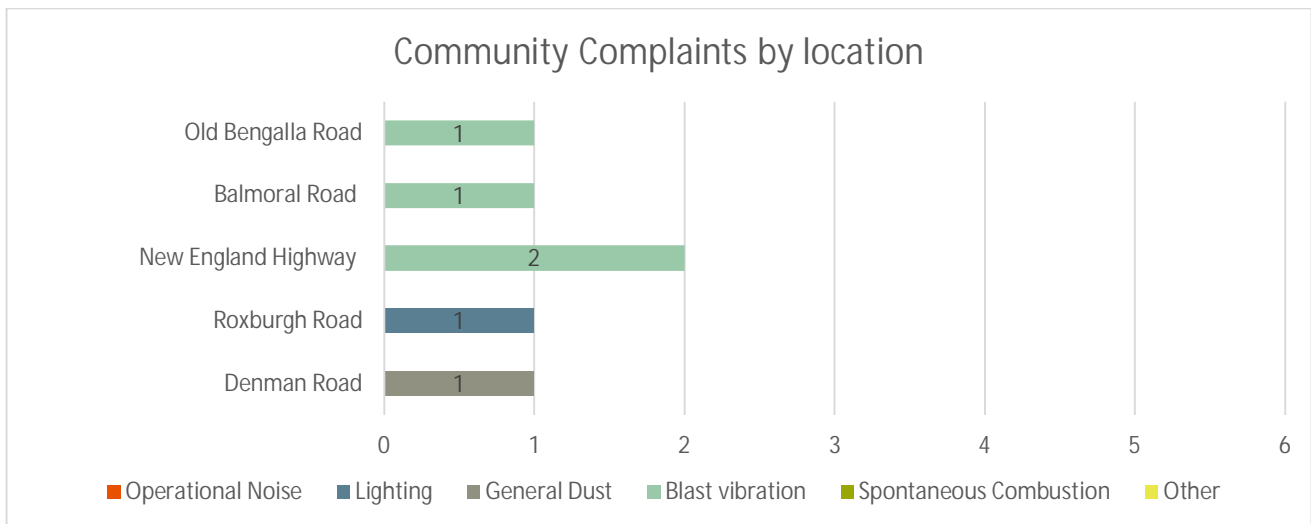


Community Complaints

The Community Complaints included in this report are for the period 1 January 2024 – 30 June 2024. Mt Arthur Coal received six (6) complaints during this period. Of the six complaints, four (4) were related to blast activity; one (1) to lighting; and one (1) to dust.



Of the six (6) complaints received for the three-month reporting period, one (1) came from residents at Roxburgh Rd, one (2) from New England Hwy, one (1) from Balmoral Road, one (1) came from Old Bengalla Rd, one (1) came from Denman Rd.



Community Complaints Summary: 1 January to 30 June 2024

| Date | Time | From | Issue | Lodgement type | Investigation and response to caller |
|-----------|---------|--------------------------------------|-----------------|-------------------------|--|
| 03/01/24 | 10:00pm | Roxburgh Road, Muswellbrook | Lighting | In Person | Lighting procedure reviewed. |
| 15/01/24 | 11:39am | Old Bengalla Road, Muswellbrook | Blast Vibration | Community Response | Investigation confirmed the blast was within the limits. |
| 23/01/24 | 2:58pm | Denman Road, Muswellbrook | Dust | Community Response | Investigation confirmed the blast was within the limits. |
| 6/6/2024 | 10.23am | Balmoral Rd, Muswellbrook | Blasting | Phone Call | Investigation confirmed 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. |
| 6/6/2024 | 10.23am | New England Highway, Muswellbrook | Blasting | Community Response Line | Investigation confirmed 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. |
| 17/6/2024 | 11.54am | New England Highway, Muswellbrook | Blasting | Phone Call | Investigation confirmed 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. |

Actions from previous meeting/s

The actions from previous meetings are listed below.

| Action | Status |
|--|-----------|
| Actions from 15 May 2024 meeting | |
| ACTION 1: AW to connect LH with MAC's Local Buying Program's Grants Officer. | Completed |
| ACTION 2: JN to capture MAC's water discharge status in the Environmental Monitoring Results for Water in the Quarterly CCC Environmental Management Report. | Completed |

| Action | Status |
|---|---|
| ACTION 3: In response to a query from LH on MAC's economic contributions, AW to source relevant data from MAC's Annual Reporting. | Completed |
| Actions remaining open from previous meetings | |
| MAC to advise when the Public Exhibition period is known for the EPBC Referral documentation. | In progress - no updates from DEECW at the time of 14 May CCC meeting |