

# Mt Arthur Coal Community Consultative Committee

12 February 2025

Information provided:  
1 Oct 2024 to 31 Dec 2024

## Environmental Management

### FY25 Rehabilitation Update



**Figure 1 Rehabilitation works including drainage lines underway at Saddlers North at the southern end of the mine.**

Mt Arthurs FY25 rehab target is 135ha.

During the reporting period Mt Arthur continued works in the Saddlers North area at the southern end of the mine and started works in the western end of the Out of Pit Dump area. A total of 50.3 hectares has been seeded year to date.

### Land Management

Weed treatment continues to focus maintenance of FY25 rehabilitation areas with spot weed treatment.

## Environmental Performance

### Air Quality Monitoring (1 Oct 2024 to 31 Dec 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, the impact assessment criteria was exceeded seven times at statutory TEOM monitoring sites over six days. However, MAC contribution PM10 levels remained below limit. Further information provided on the Section *Environmental Incidents*.
- All exceedances recorded were notified to the Department of Planning, Housing and Infrastructure (NSW Planning) (previous Department of Planning and Environment) as per Project Approval. NSW Planning has closed out five of these events, requiring no further actions. The event occurring on 14 December is currently under review with DPHI.
  - 24 November at Roxburgh Rd – DC05
  - 25 November at Roxburgh Rd – DC05
  - 13 December at Roxburgh Rd – DC05
  - 14 December at Roxburgh Rd – DC05 and Wellbrook – DC09
  - 15 December at Roxburgh Rd – DC05
  - 29 December at Roxburgh Rd – DC05
- Table 1 below provides an equipment performance summary. Over 95% of dust data captured from five of six statutory PM10 monitoring sites during the reporting period.
- The Sheppard Avenue monitoring site, DC02, captured 87% of data during the reporting period due to an equipment error that was resolved following additional servicing and repairs, no issues presented for the remainder of the reporting period.
- Equipment availability continues to improve overall following implementation of several improvement initiatives including the purchase of new TEOMs, UPS battery units & communication loggers.
- In response to the technical issues in October, additional monitoring alerts have been built into the Dust Control System (DCS). The DCS now reports data inconsistencies and quality issues in real time, resulting in decreased response time.

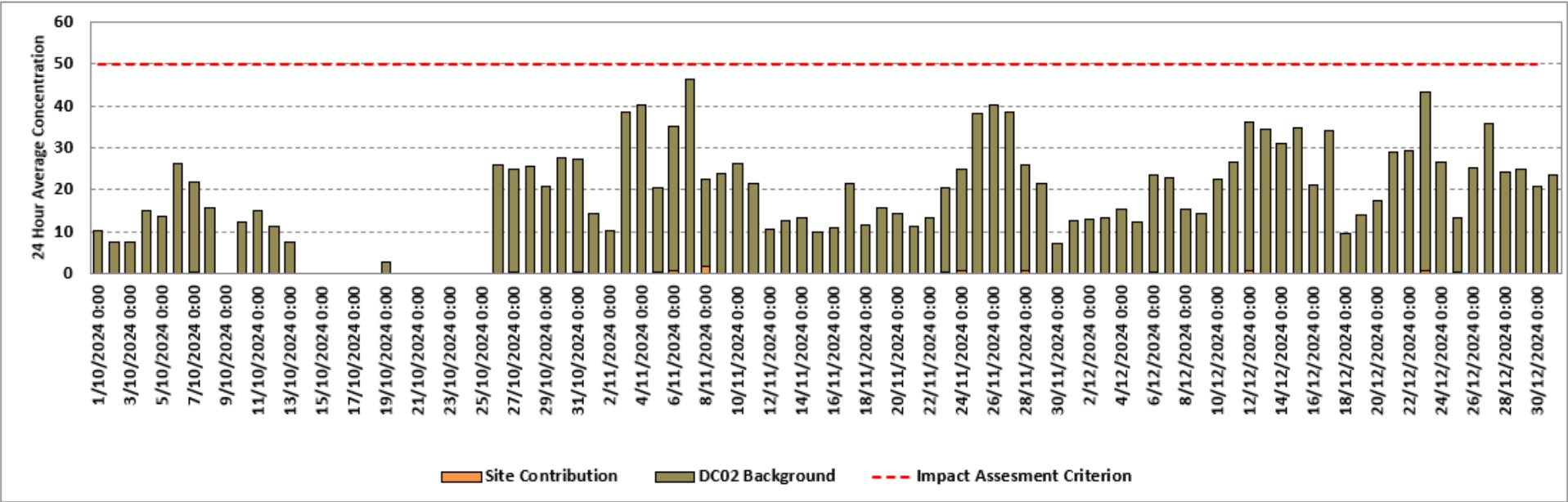
**Table 1. Equipment Performance Summary**

Site	Date/s	Reason
DC02	9/10/2024, 14/10/2024 - 18/10/2024, 20/10/2024 - 25/10/2024	During the period listed <75% data captured due to power, technical or equipment connectivity issues.
DC05	12/011/2024, 13/011/2024	During the period listed <75% data captured due to power, technical or equipment connectivity issues.

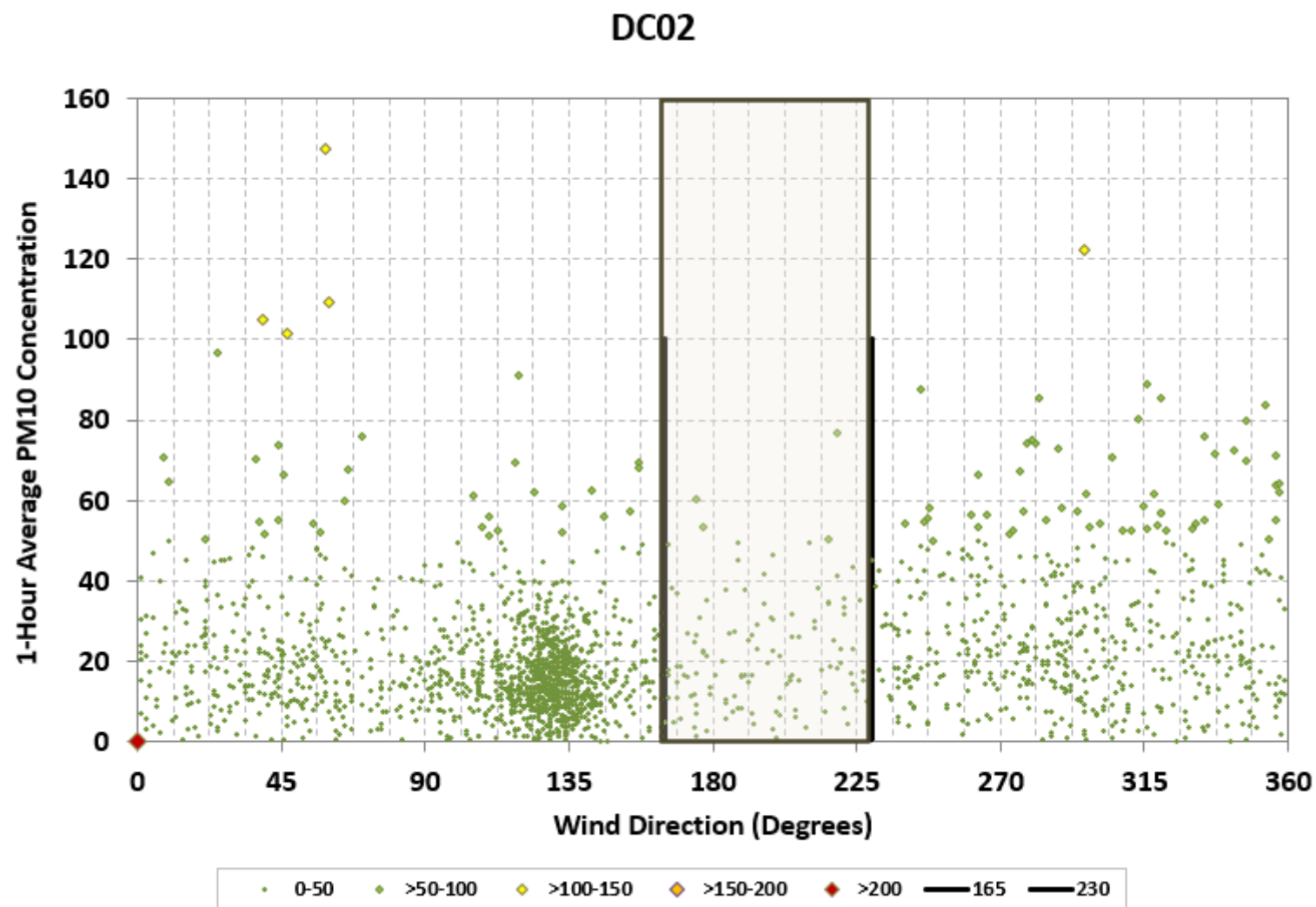
- A guide has been provided at the end of this section to assist in the interpretation of the results and figures. The figures within this section have been developed in line with consultation with members of the CCC.

Sheppard Avenue – DC02

Data capture – 87%

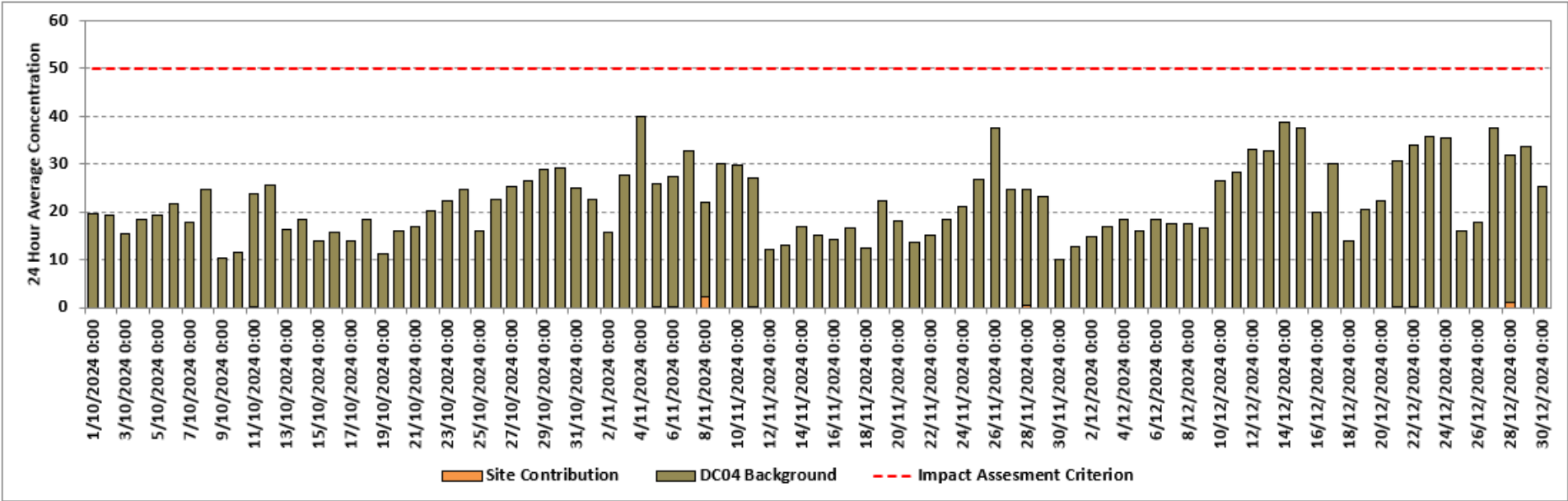


Sheppard Avenue – DC02

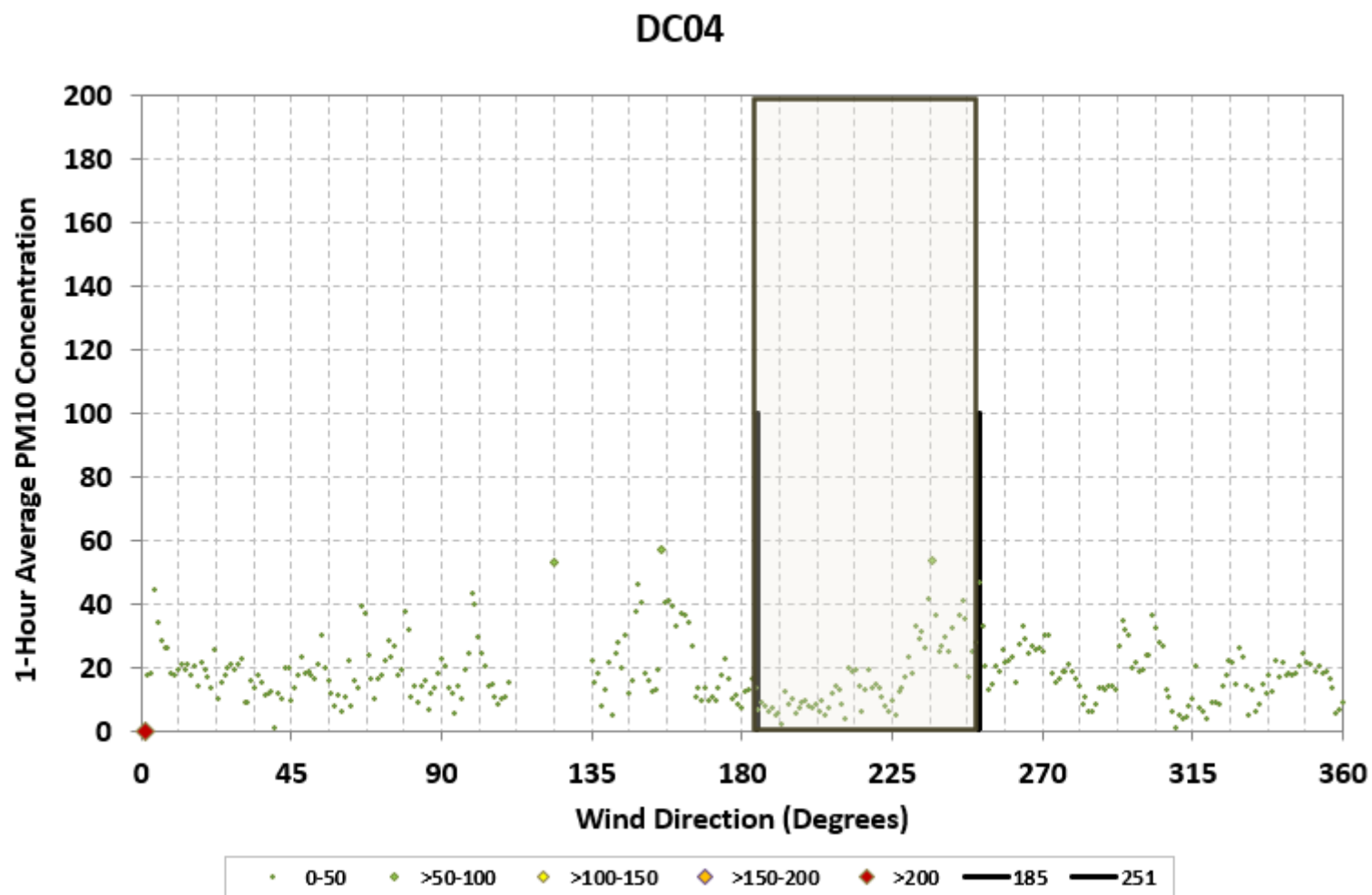


South Muswellbrook – DC04

Data capture – 100%

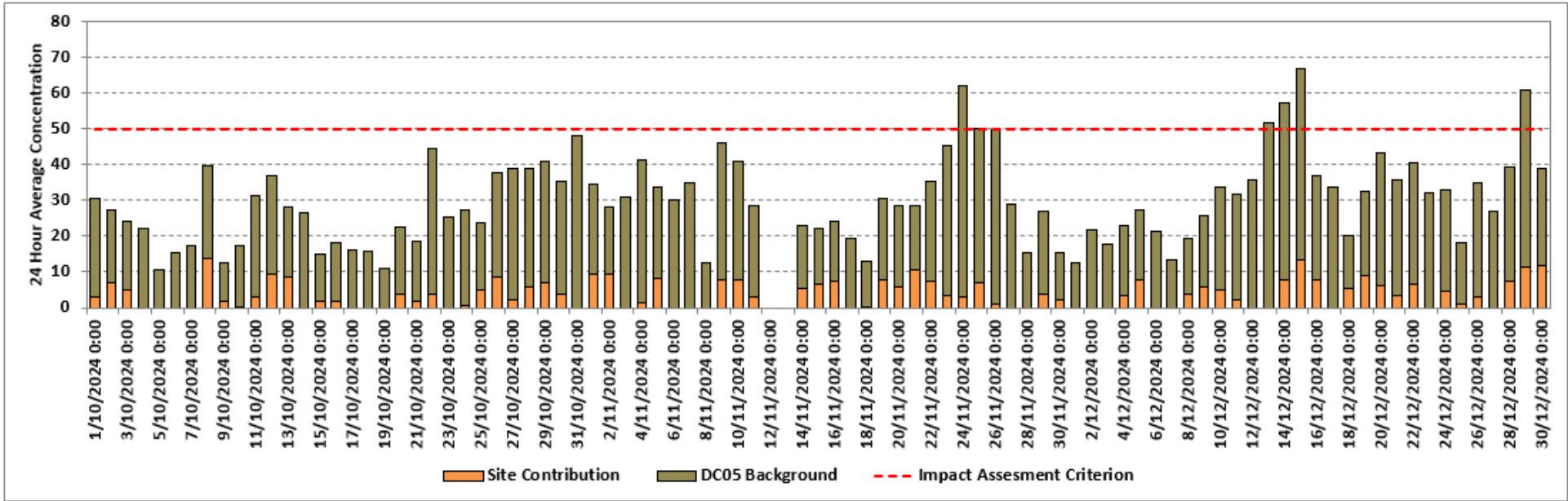


South Muswellbrook – DC04



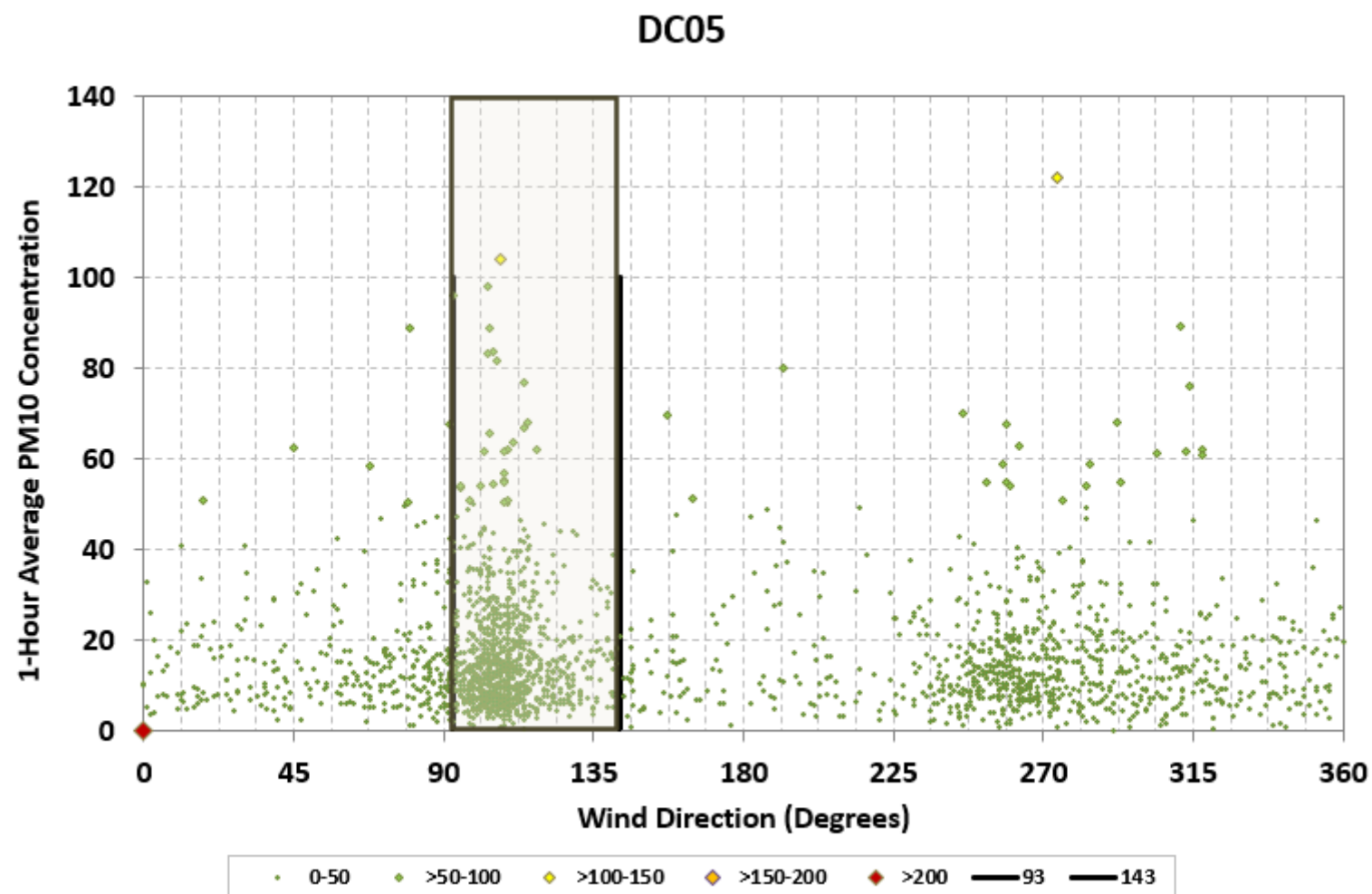
Roxburgh Road – DC05

Data capture – 98%





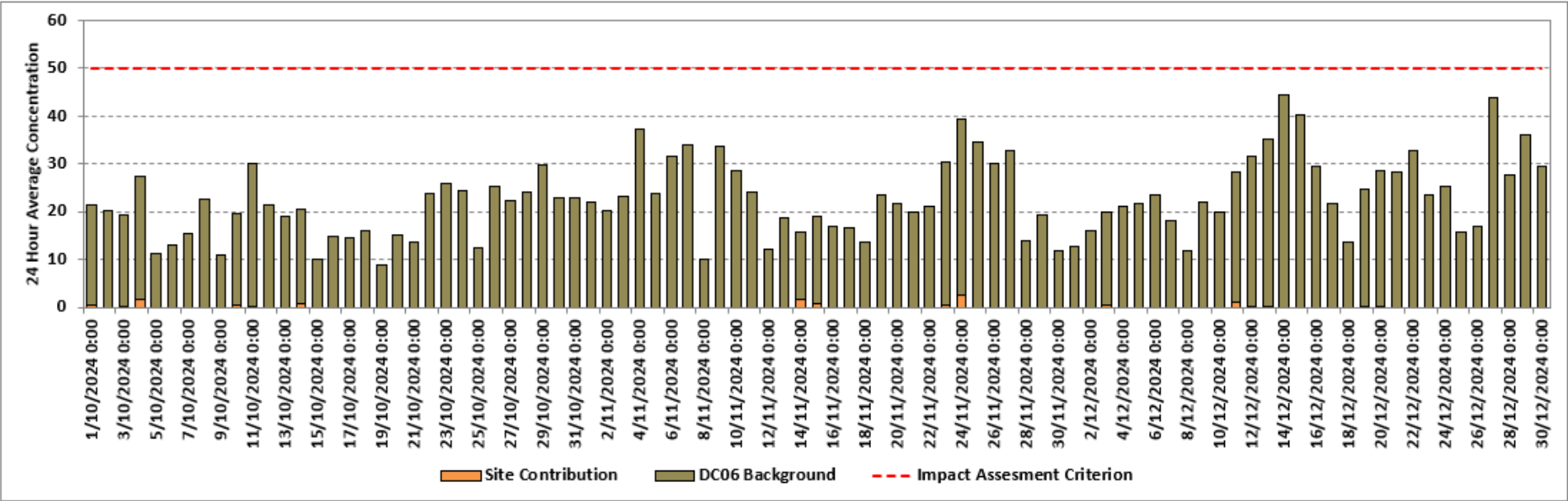
Roxburgh Road – DC05



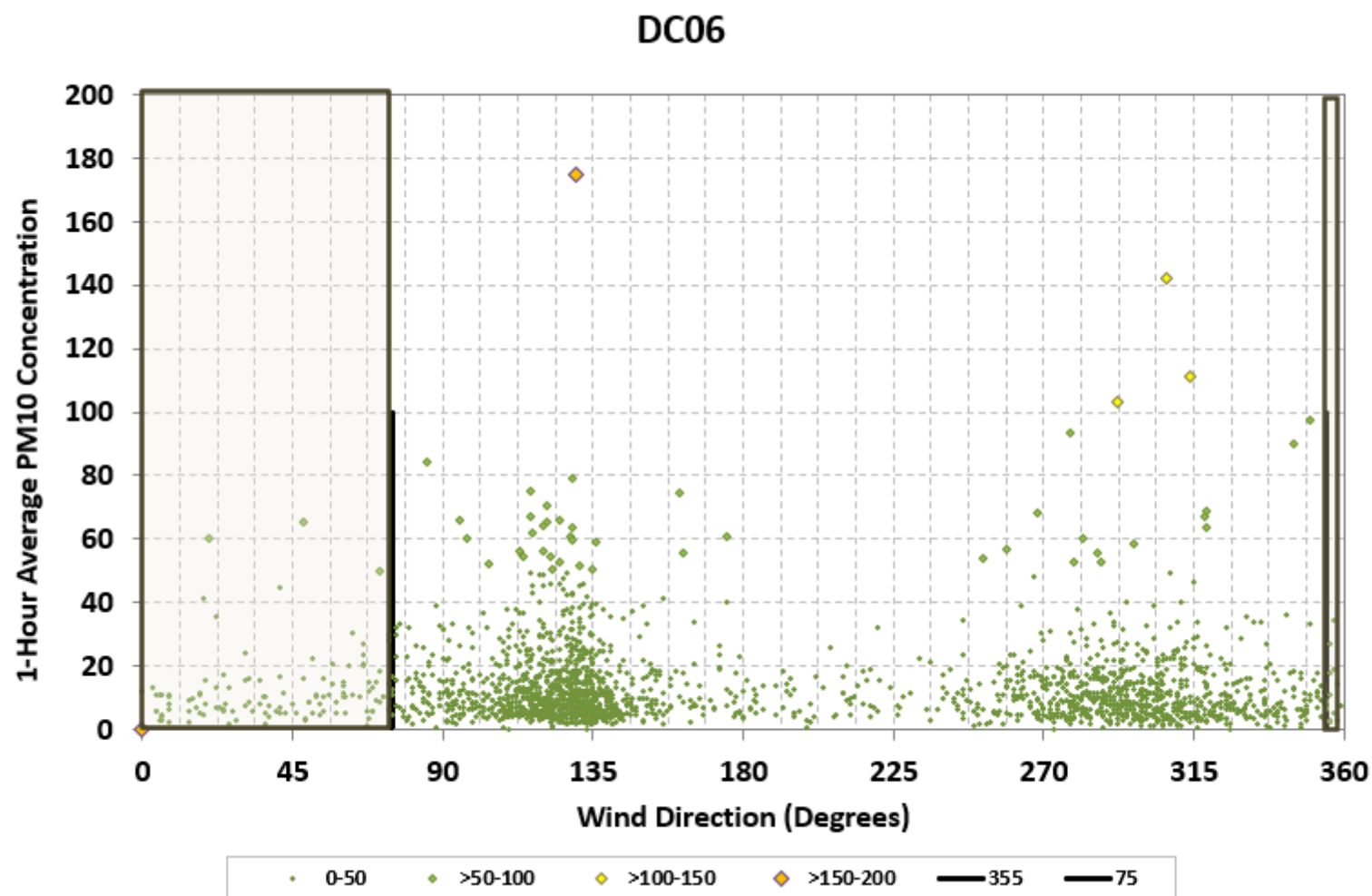


Edderton Homestead - DC06

Data capture – 100%

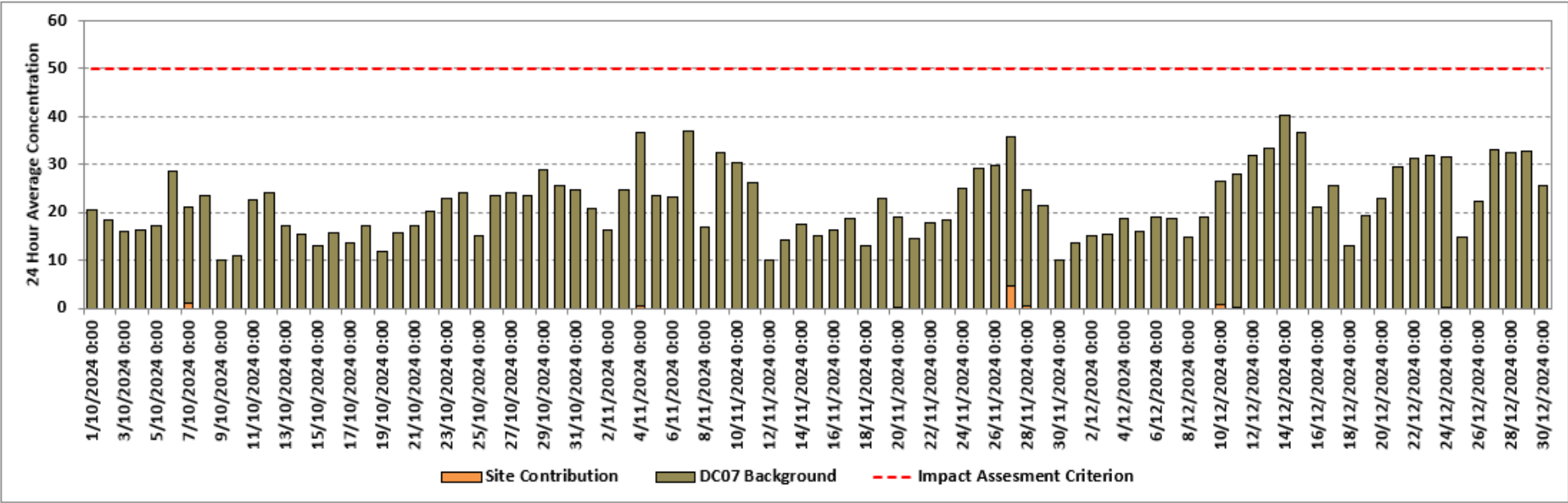


Edderton Homestead - DC06

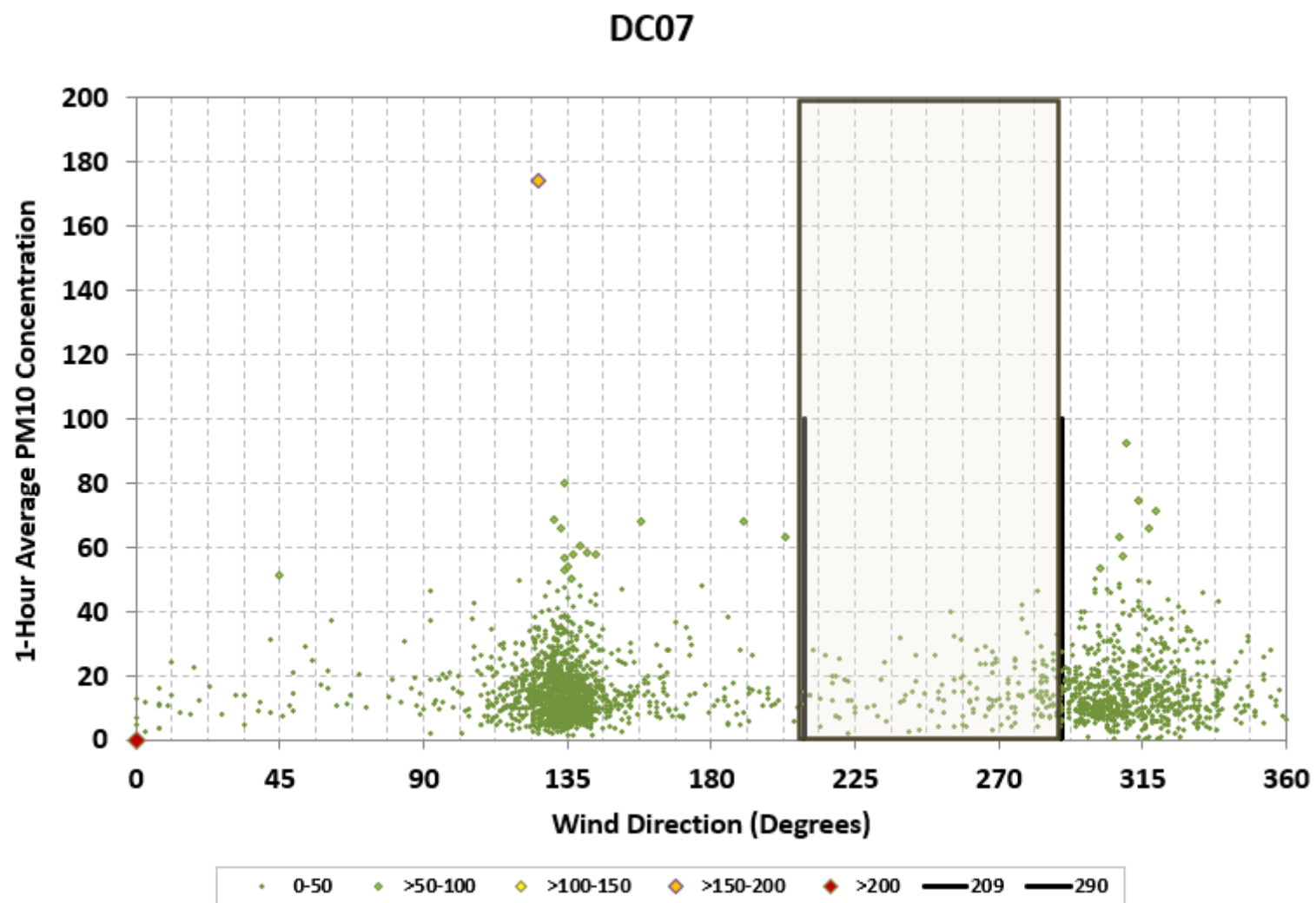


Antiene - DC07

Data capture – 100%

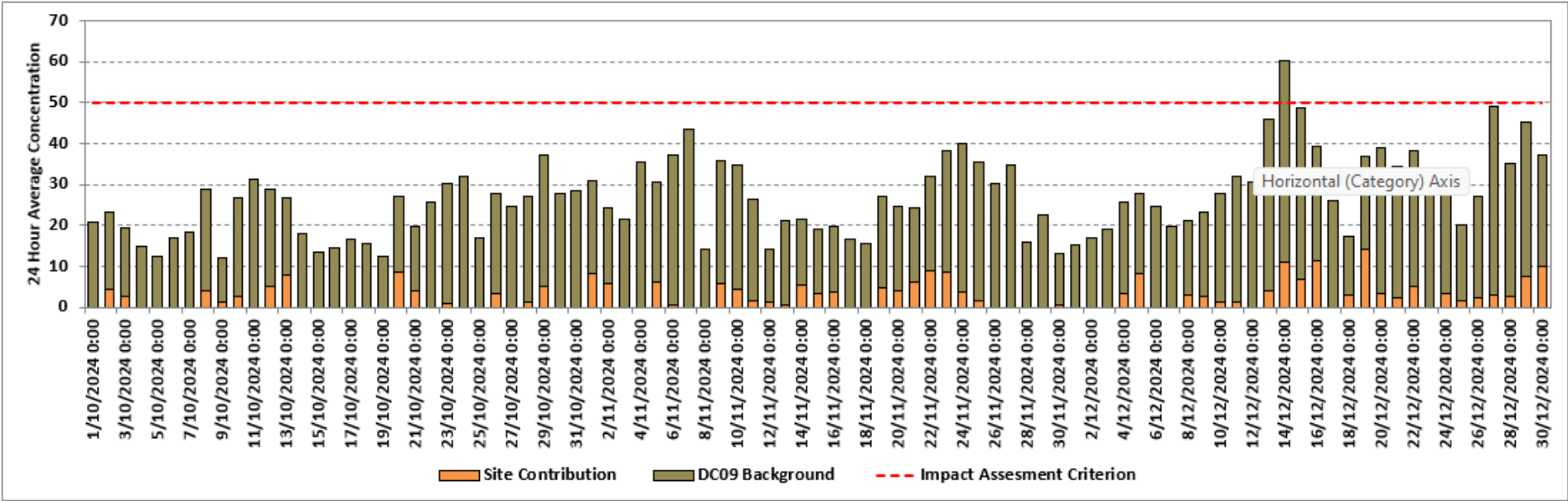


Antiene - DC07

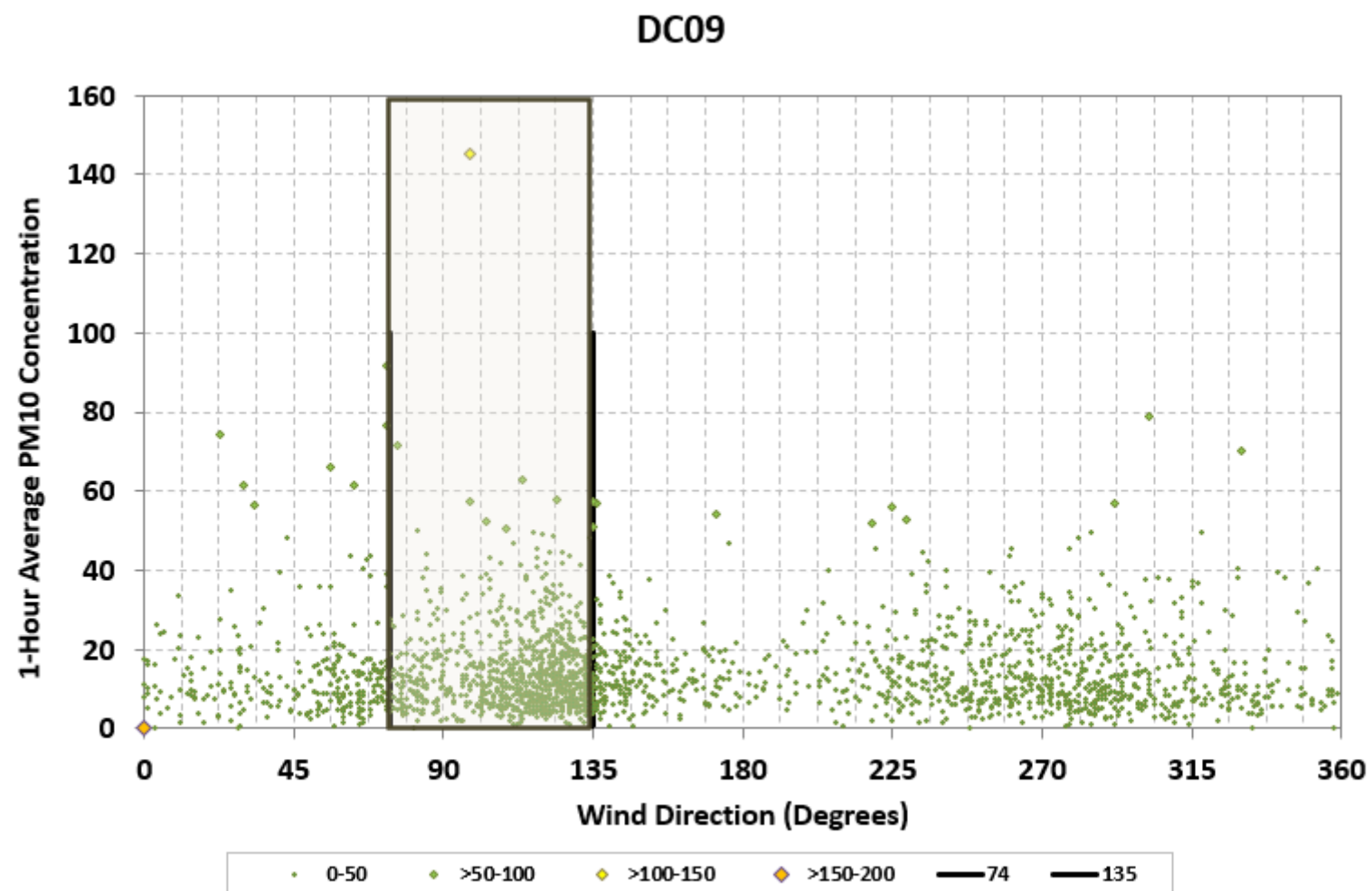


Wellbrook – DC09

Data capture – 100%

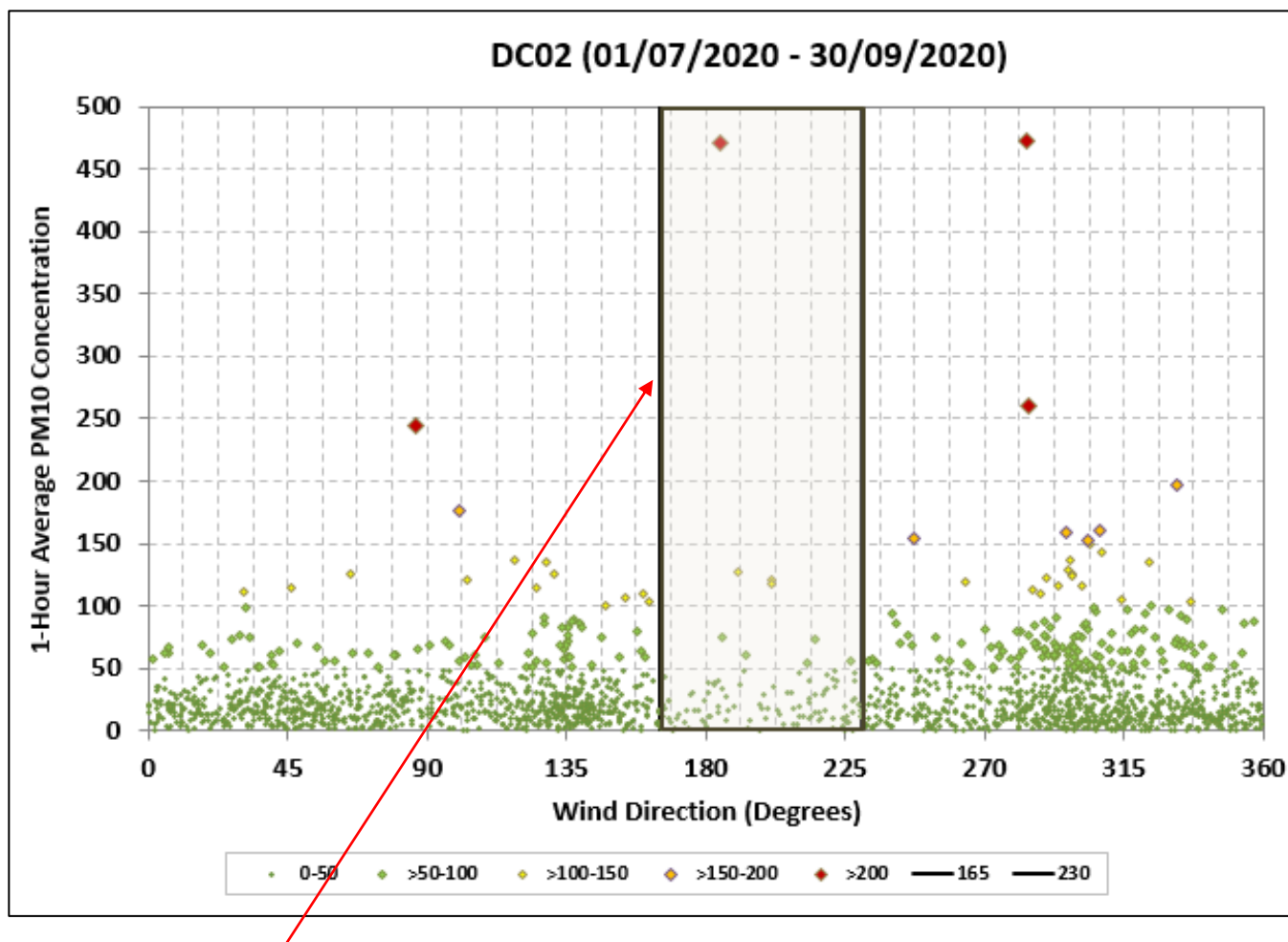


Wellbrook – DC09



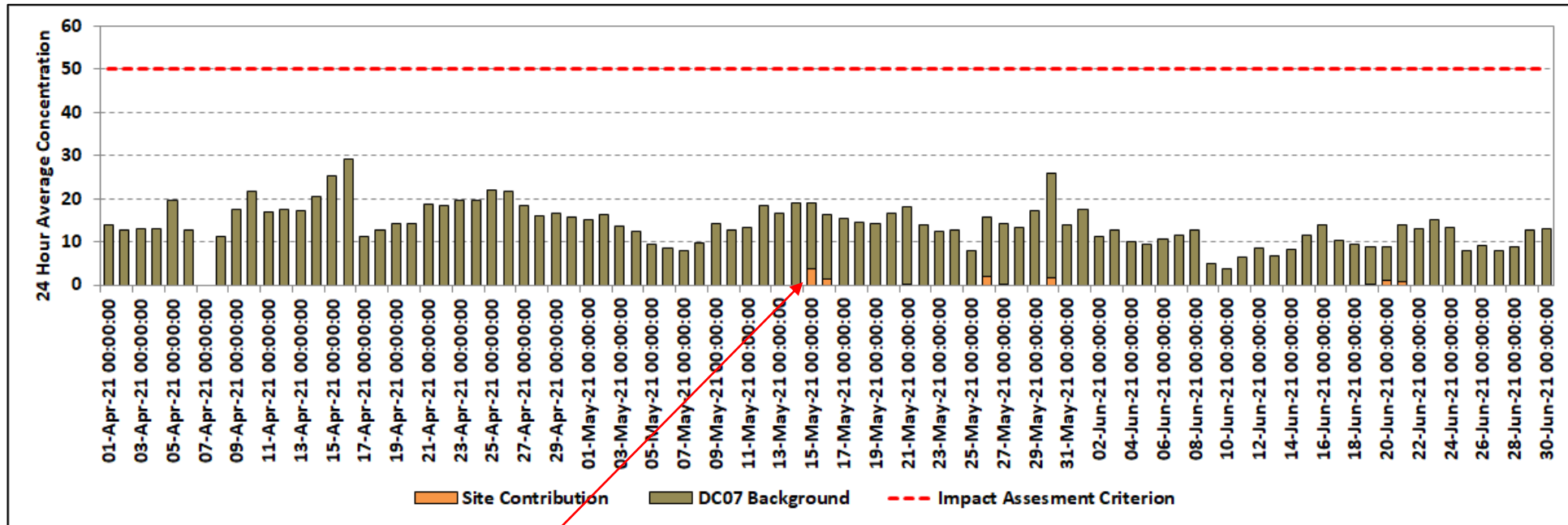
### Air Quality Monitoring Interpretation Guidance

This information has been provided to assist with the interpretation of the air quality monitoring results and figures within this report.



*This graphic shows the window where the Mt Arthur Coal contribution is at risk of influencing the DC02 dust monitor based on the wind direction. This window can be referred to as the Arc of Influence. All 1- Hour Average Concentrations have been plotted for the reporting period to give an indication of Mt Arthur's influence on DC02.*

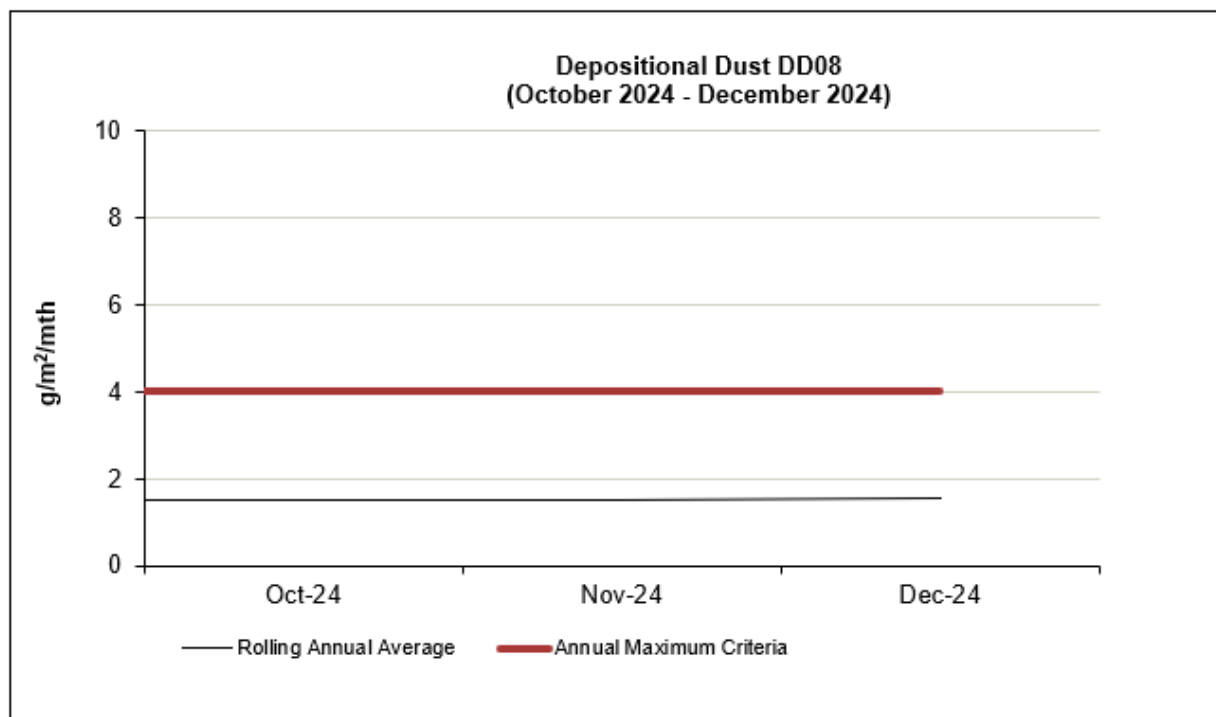


Air Quality Monitoring Interpretation Guidance continued

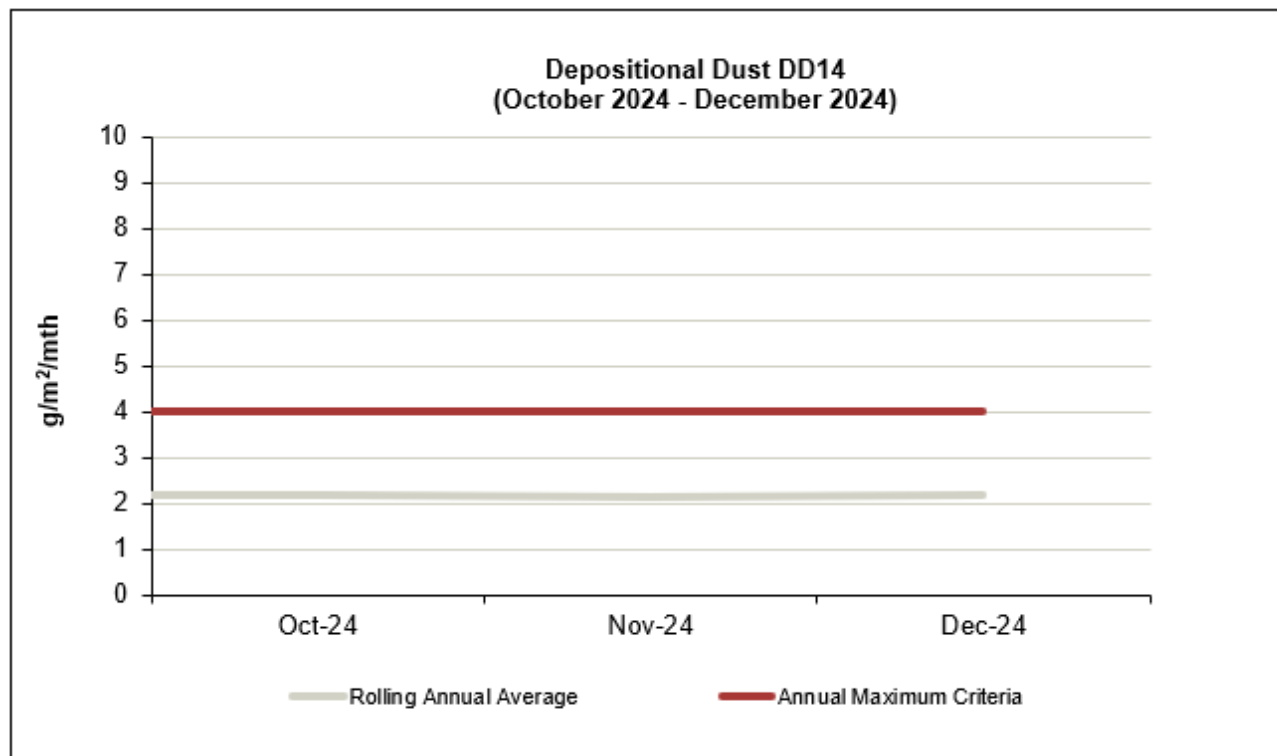
This graphic shows the cumulative Daily 24hr PM10 concentrations along with the incremental Mt Arthur Coal concentrations. This example shows that the cumulative 24hr concentration ('Background') of approximately  $20\mu\text{g}/\text{m}^3$ ; the Mt Arthur incremental concentration ('Site Contribution') is represented by the orange coloured portion.

**Deposited Dust****DD08**

Data capture – 100%

**DD14**

Data capture – 100%



**Water Monitoring (1 October 2024 to 31 December 2024)***Groundwater*

Groundwater monitoring was undertaken in December 2024 with results currently being analysed. The results from the December 2024 monitoring round will be communicated at the next CCC.

The groundwater monitoring that was undertaken in September 2024 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 will continue to be monitored.

*Surface water*

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

**Blast Monitoring (1 October 2024 to 31 December 2024)**

During the reporting period, there were no exceedances of the upper or lower vibration limits.

There was one exceedance of the lower overpressure limit reported on:

- Monday 23 December 2024, 11:29am at the Denman Road West monitor (118.7 dBL).

No complaints were received for the event. The exceedance of the lower limit is within the 5% of allowable exceedances for FY25 and not considered an environmental incident.

There was one exceedance of the upper overpressure limit on Saturday 7 December 2024, 11:41am at the Edinglassie monitor (125.8dBL). This was reported to the DPHI in line with the Blast Management Plan (BMP). No complaints were received for this event.

**Operational Noise Monitoring (1 October 2024 to 31 December 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 October 2024 to 31 December 2024)**Blast Exceedance

There was one exceedance of the upper overpressure limit on Saturday 7 December 2024, 11:41am at the Edinglassie monitor (125.8dBL). This was reported to the DPHI in line with the Blast Management Plan (BMP). No complaints were received for this event.

Groundwater Exceedance

The groundwater monitoring that was undertaken in September 2024 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 WMP. These exceedances were all reported to DPHI and will continue to be monitored.

### Dust Level Exceedances

HVEC recorded 7 exceedances of the impact assessment criteria on 6 separate days throughout the period. Detailed investigation reports were provided to DPHI after each exceedance which outlined the project's contribution and the actions taken by the operation in line with the MAC Air Quality Management Plan. The table below provides a summary of each exceedance.

Date	Site	Absolute PM10 level (24-hr average µg/m3)	MAC Contribution (24-hr average µg/m3)	Other details
24/11/2024	DC05	62.1	2.9	No complaints. Appropriate actions taken by OCEs. Exceedance report closed out by the DPHI with no further information required.
25/11/2024	DC05	20.2	7	No complaints. Appropriate actions taken by OCEs. Exceedance report closed out by the DPHI following a request for information.
13/12/2024	DC05	51.5	0	No complaints. Appropriate actions taken by OCEs. Exceedance report closed out by the DPHI with no further information required.
14/12/2024	DC05	57.3	7.8	No complaints. Appropriate actions taken by OCEs. Currently under review with the DPHI.
	DC09	60.1	11	
15/12/2024	DC05	66.7	13.2	No complaints. Appropriate actions taken by OCEs. Exceedance report closed out by the DPHI with no further information required.
29/12/2024	DC05	61	11.5	No complaints. Appropriate actions taken by OCEs. Exceedance report closed out by the DPHI with no further information required.

### **Environmental Reporting (1 October 2024 to 31 December 2024)**

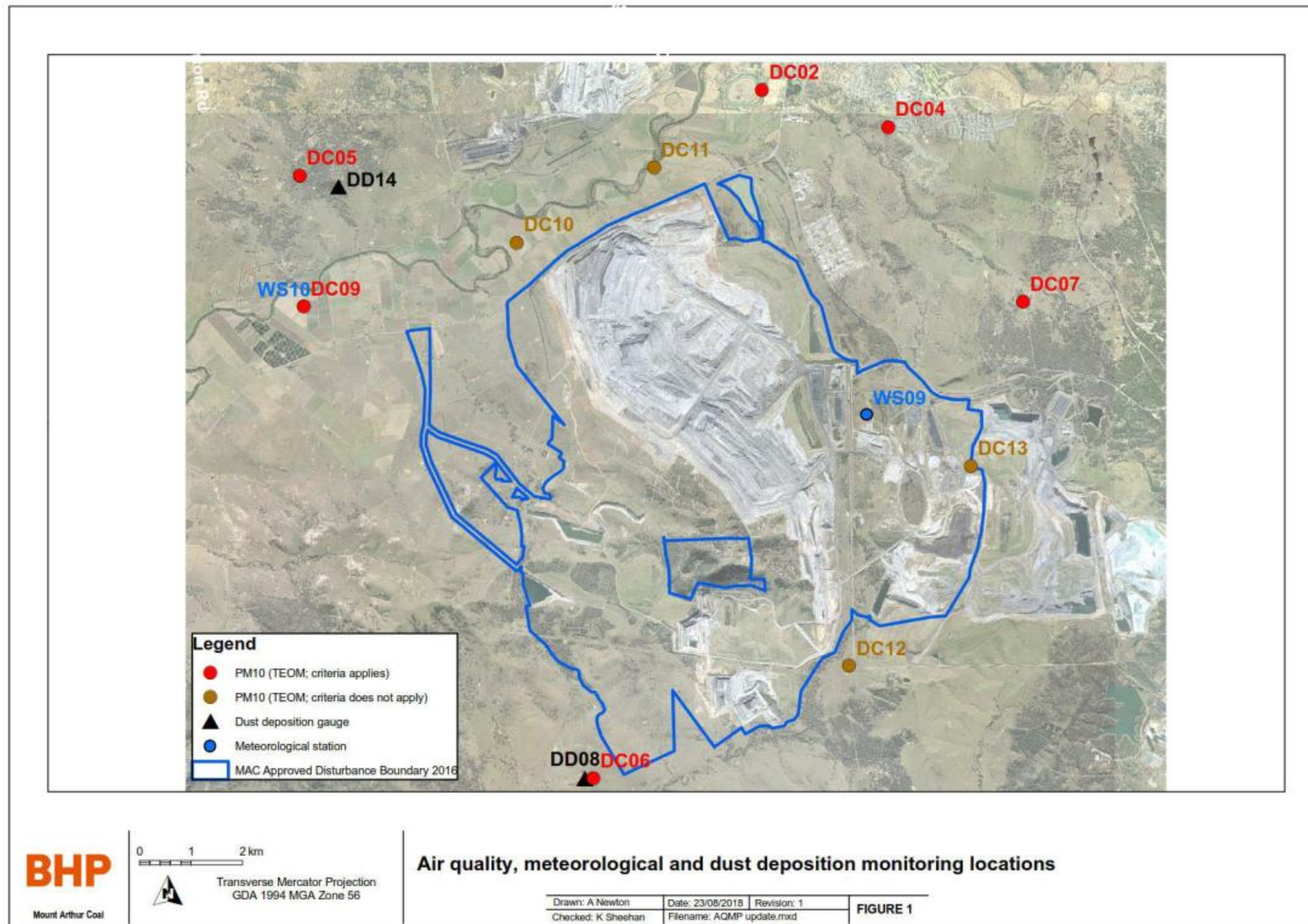
#### Monthly Reporting

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)

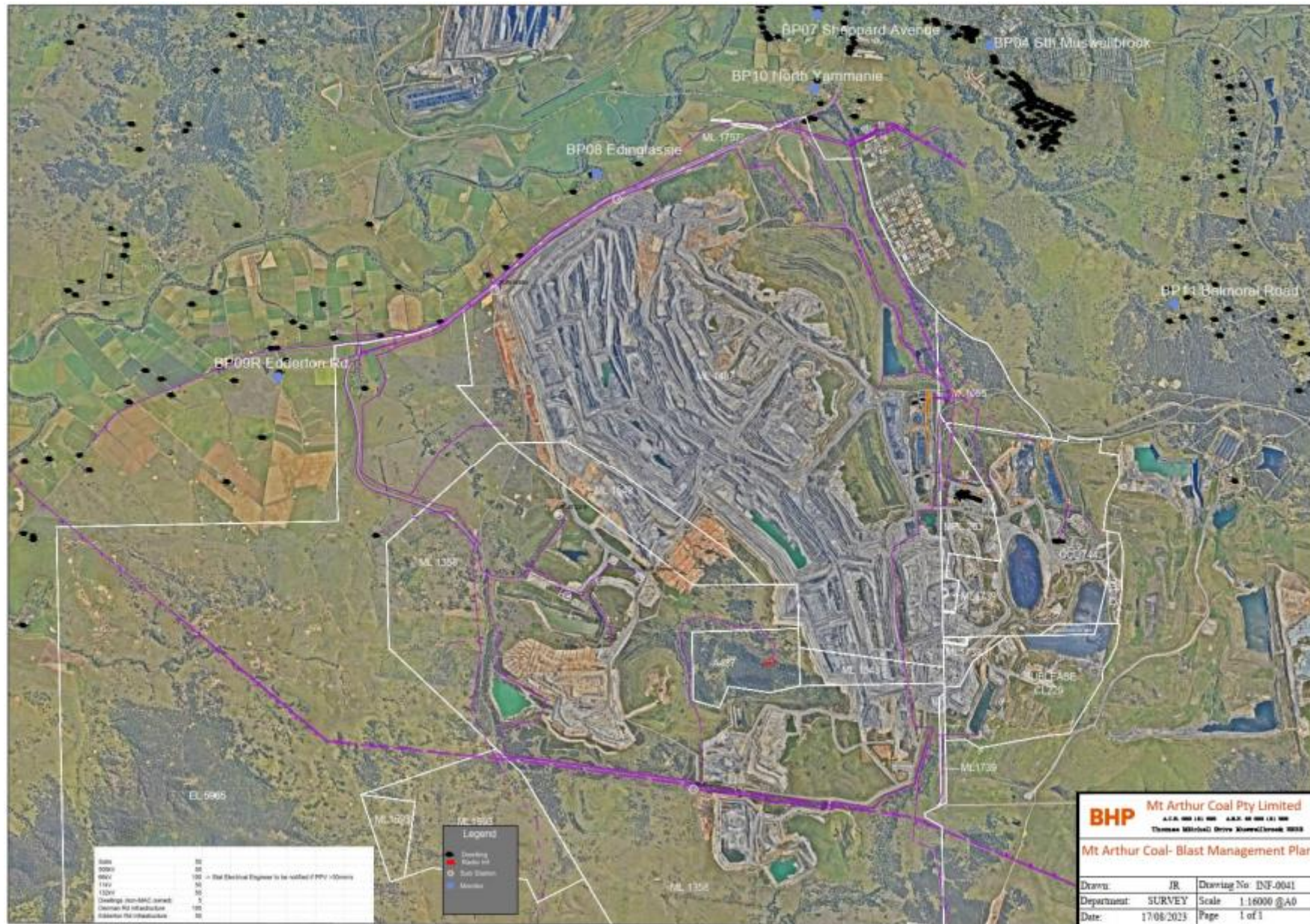






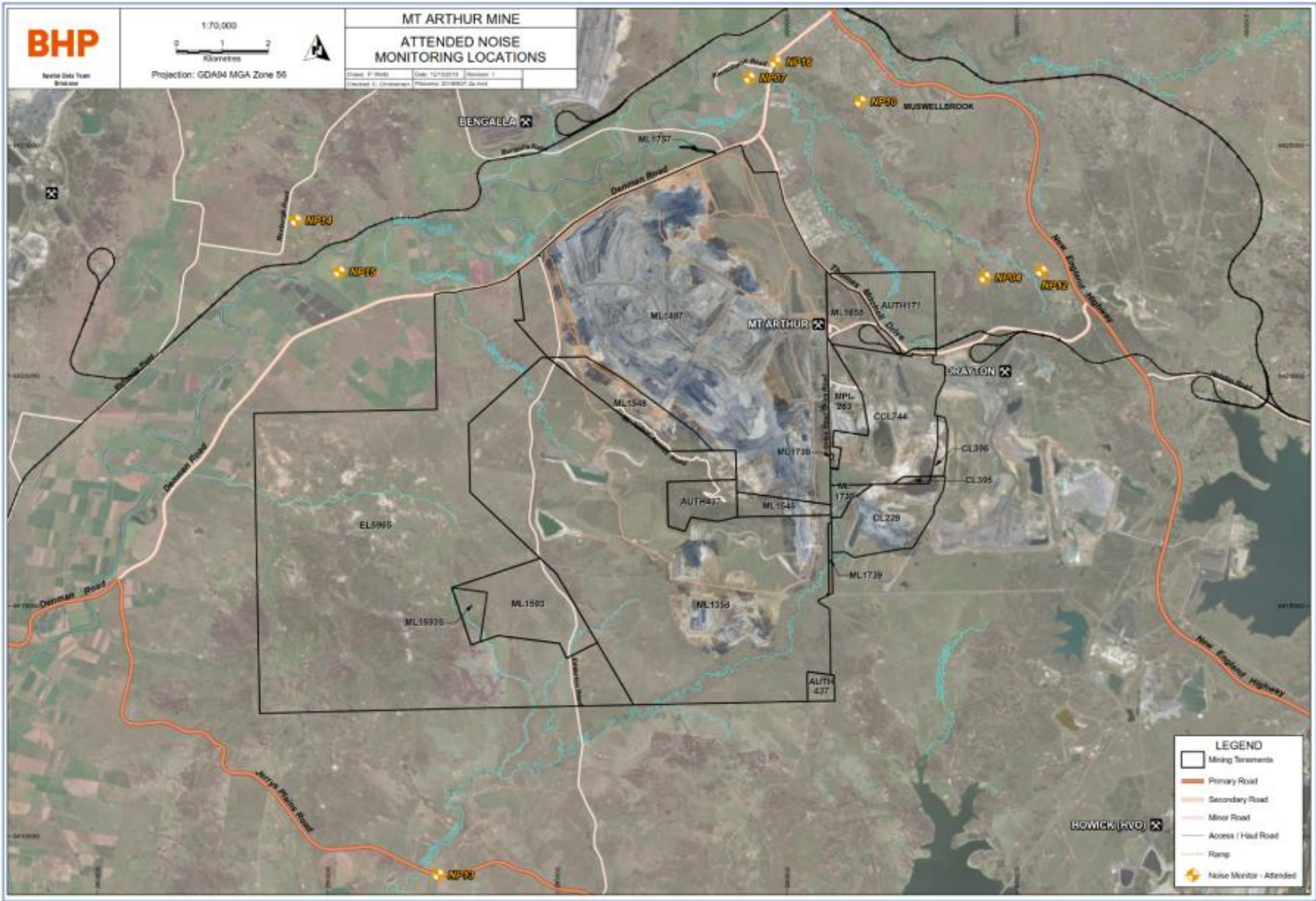


### Blast Monitoring Locations (Source: Blast Management Plan)



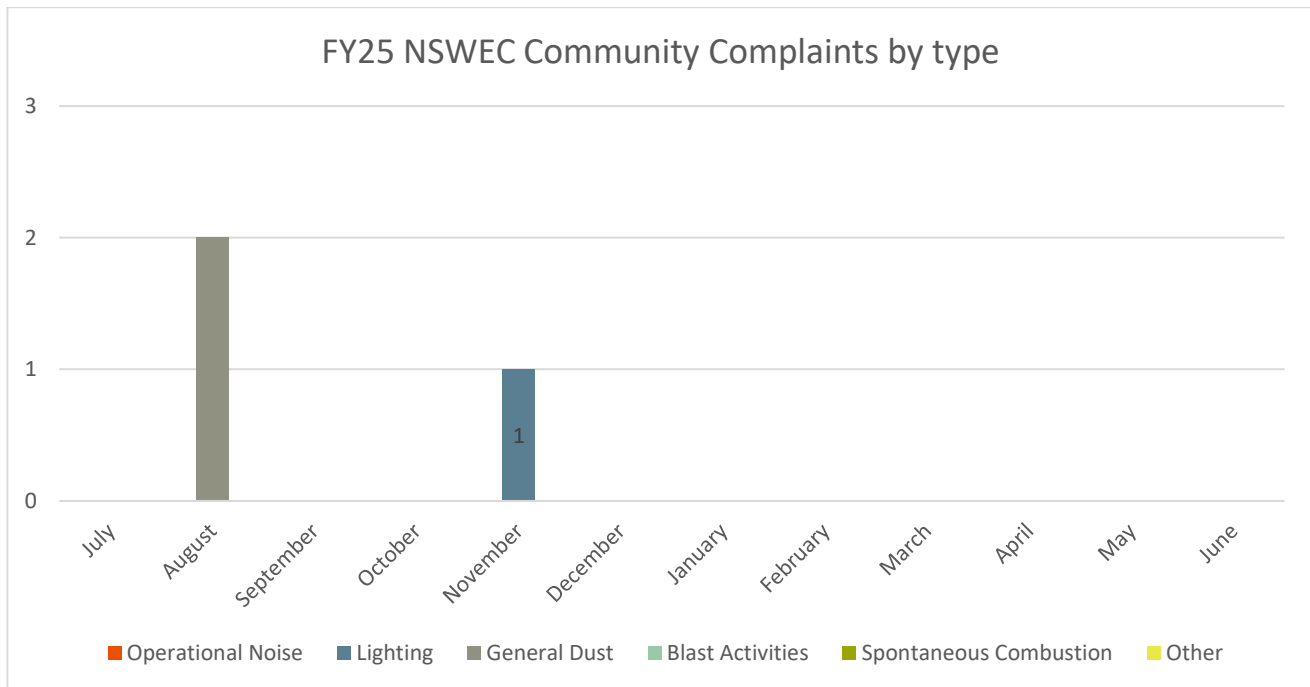


Operational Noise Monitoring (attended) Locations (Source: Noise Management Plan)



## Community Complaints

The Community Complaints included in this report are for the period 1 October 2024 to 31 December 2024. Mt Arthur Coal received one (1) complaint during this period, bringing the total number of complaints for FY25 to 3. The complaint was related to lighting and was reported via the community response line. The location of the complaint was Ironbark Road Muswellbrook.



**Community Complaints Summary: 1 October to 31 December 2024**

Date	Time	From	Issue	Lodgement type	Investigation and response to caller
6.11.2024	8.20pm	Ironbark Road Muswellbrook	Lighting	Community Response Line	Investigation revealed location of lights, which were redirected. Caller was advised of investigation results and action taken.

**Actions from previous meeting/s**

The actions from previous meetings are listed below.

Action	Status
<b>Actions from 20 November 2024 meeting</b>	
Action 1: MAC's official statement in relation to the earthquake activity to be circulated to the CCC.	Still to come
<b>Actions remaining open from previous meetings</b>	
Action 1 (Feb 2024): MAC to advise the CCC when the Public Exhibition period is known for the EPBC Referral documentation	Ongoing. No updates from DEECW