

## **Air Quality and Dust Monitoring Monthly Report – January 2026**

**Solihull Metropolitan Borough Council**



## Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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A report prepared by EWCs and MWCCs on behalf of HS2 Ltd.

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# Monthly Summary

- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of air quality and dust monitoring undertaken in Solihull Metropolitan Borough Council (SMBC) during January 2026.
- 1.1.2 Figures 1 to Figure 3 in Appendix A present the current worksites together with the dust monitoring locations.
- 1.1.3 This summary should be read in conjunction with the overview monitoring report monthly available from [www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2](http://www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2), which highlights: the applicable standards and guidance, as well as the air quality and dust monitoring methodologies to be implemented by nominated undertakers throughout construction.
- 1.1.4 The current worksites, as presented in Appendix A, Figure 1 to Figure 3, include:

## **Sublot 2B2**

### Waste Lane Overbridge Satellite

- Steel fixing works.

### Carol Green Rail Underbridge

- Steel fixing works.

## **Sublot 2B3**

### Balsall Common Viaduct

- Installation of beams.
- Machine works.

### Park Lane

- M214 overbridge construction.
- M215 culvert dig and replace works and blinding construction.
- Haul road maintenance.

### A452 Compound

- Haul road maintenance.
- Completion of trial holes.
- Construction of haul road at 16AWE.

## **Sublot 5S**

### Coleshill Heath Road

- No BBV works activities took place during January 2026.

### Coleshill Heath Road Underbridge

- North abutment EFFCO installation.
- Steel fixing.

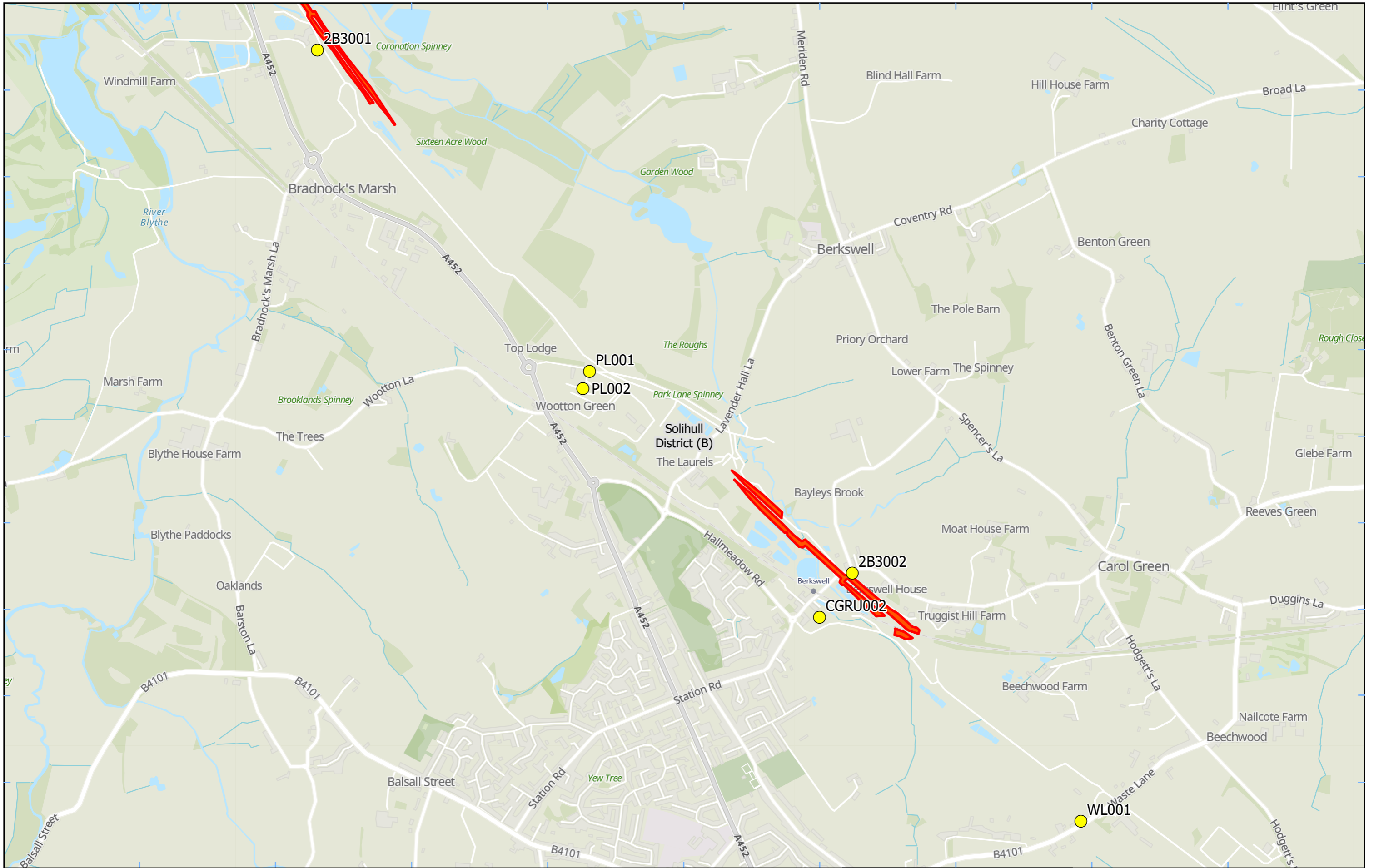
- 1.1.5 Ten (10) dust monitors are installed around these worksites, where works are underway. These sites returned a medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from the dust monitors presented in Figure 4. All continuous dust monitoring is undertaken using indicative monitors. Despite being Environment Agency (MCERTS) certified, indicative monitors carry a higher level of uncertainty than reference monitors, and therefore cannot be strictly compared with Air Quality Standards for human health and the environment. The purpose of the monitoring undertaken is to ensure the effectiveness of the on-site mitigation.
- 1.1.7 The trigger level for PM<sub>10</sub> concentrations of 190 µg/m<sup>3</sup>, over a 1-hour period, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.
- 1.1.8 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor 2B3001 – A battery refresh took place on 26th January 2026. After the site visit, the issues were resolved.
  - Monitor BBE001 – A battery refresh is scheduled for 11th February 2026.
  - Monitor PL002 – A battery refresh took place on 12th January 2026. After the site visit, the issues were temporarily resolved. Another battery refresh is scheduled for 12th February 2026.
  - Monitor WL001 – A battery refresh took place on 13th January 2026. After the site visit, the issues were temporarily resolved. Another battery refresh took place on 3rd February 2026. After the site visit, the issues were resolved.
  - Monitor 2B3001 – The monitor was swapped out on 22nd January. A battery refresh took place on 26th January 2026. After the site visit, the issues were resolved.
  - Monitor BIS001 – A dust full work up was carried out on 10th February 2026. A monitor swap out for investigation is scheduled for 19th February 2026.
  - Monitor DLE001 – A monitor swap out is scheduled for 26th February 2026.

- Monitor DLE002 – The monitor was swapped out on 28th January 2026. After the site visit, the issues were resolved.

1.1.10 There were no (0) complaints received during this reporting period (January 2026).

# Appendix A – Worksites and Monitoring Locations

Figures 1-3: Worksites and Monitoring Locations within SMBC



**Legend**

- Dust Monitor
- Worksite
- District Borough Unitary Boundaries

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Contains data from OS Zoomstack

Map Number

Map Name  
**Worksite and Monitoring Locations  
In SMBC (Sheet 1)**

**Solihull Metropolitan Borough**

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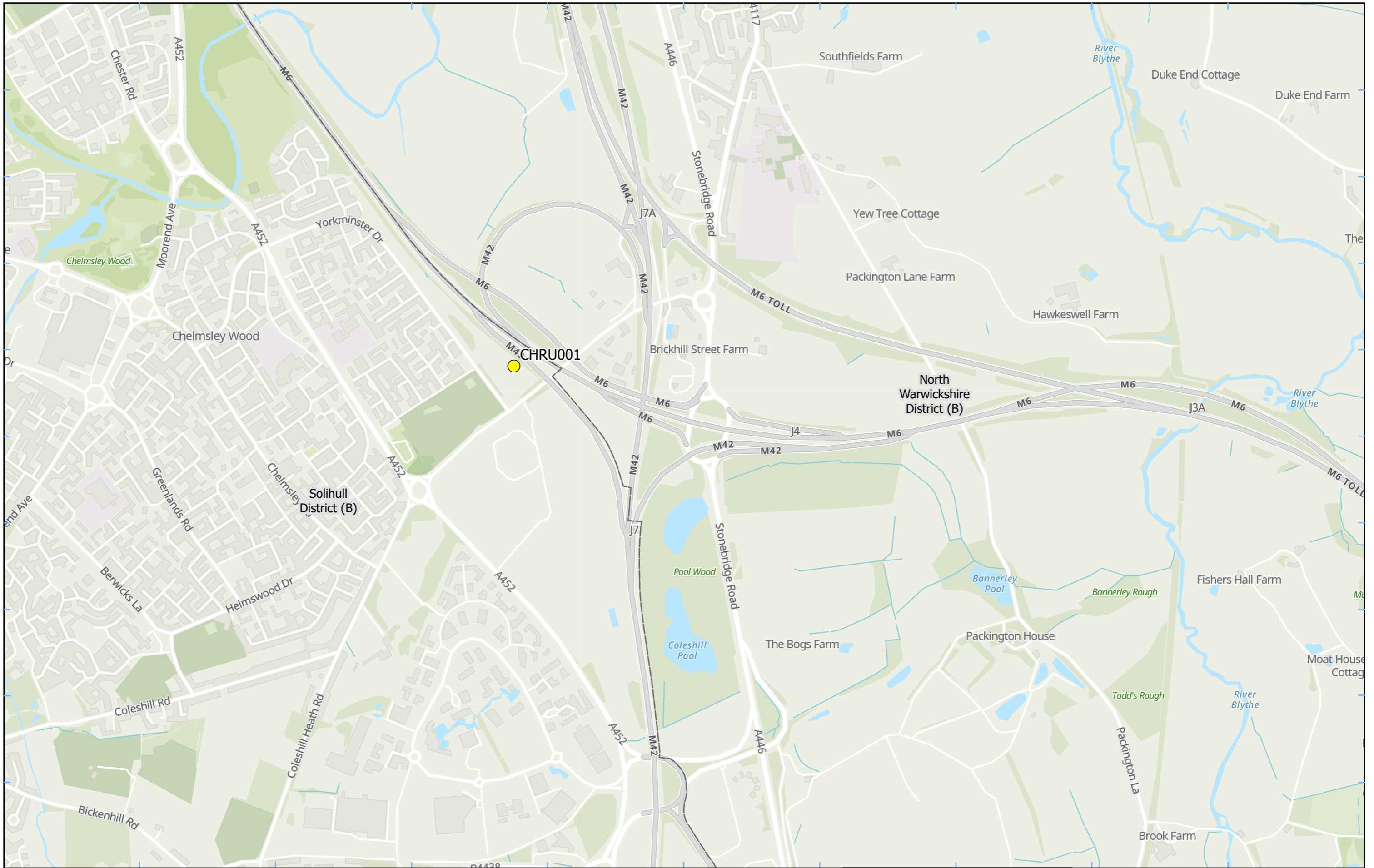
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Scale at A3: 1:15,000

Metres

**Date: 30/09/25**



**Legend**

- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

Map Name  
**Monitoring Locations  
 In SMBC (Sheet 2)**

**Solihull Metropolitan Borough**

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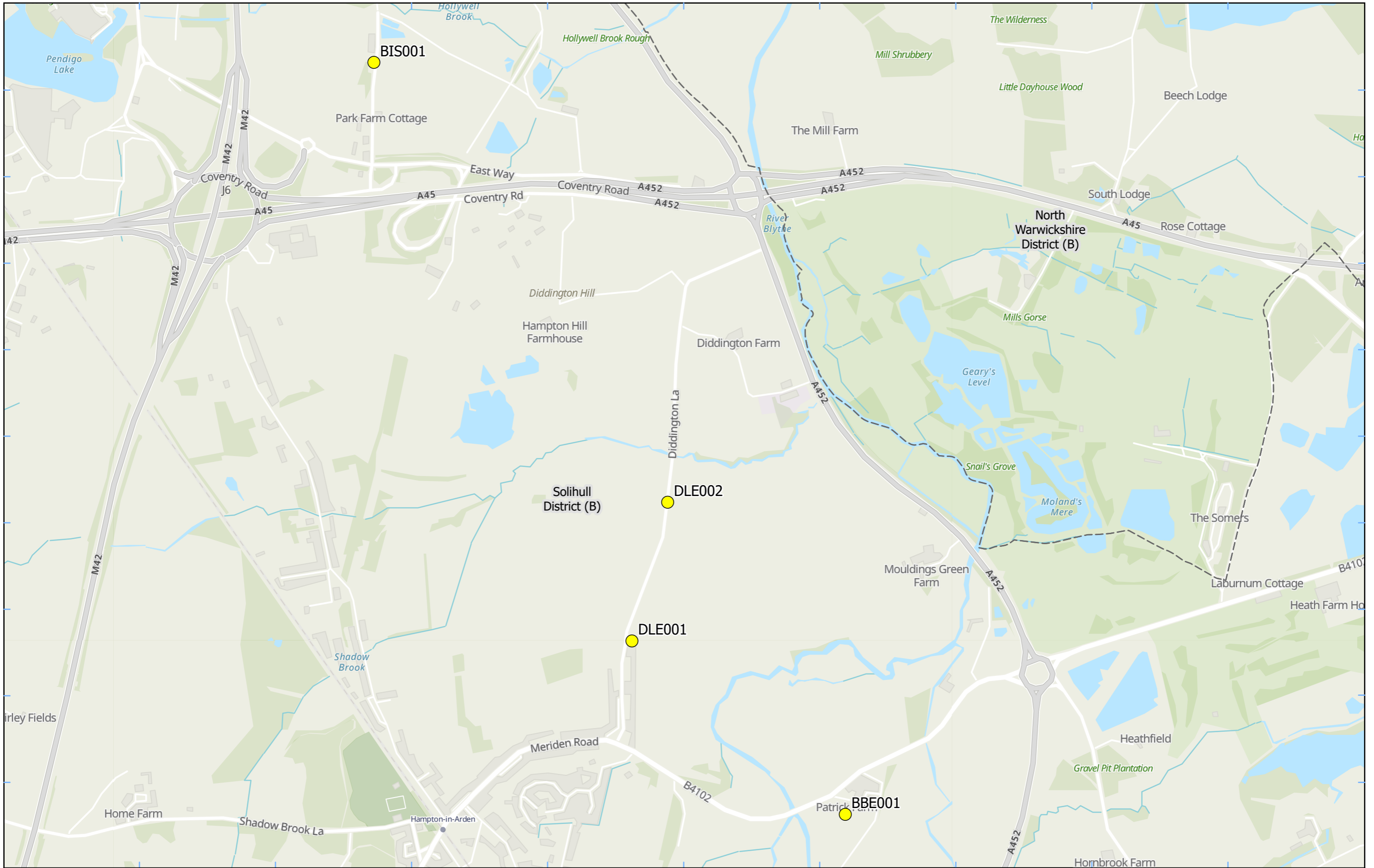
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**Legend**

- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

Map Name  
**Monitoring Locations  
In SMBC (Sheet 3)**

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Metres

Doc Number: **Date: 11/03/24**

## Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

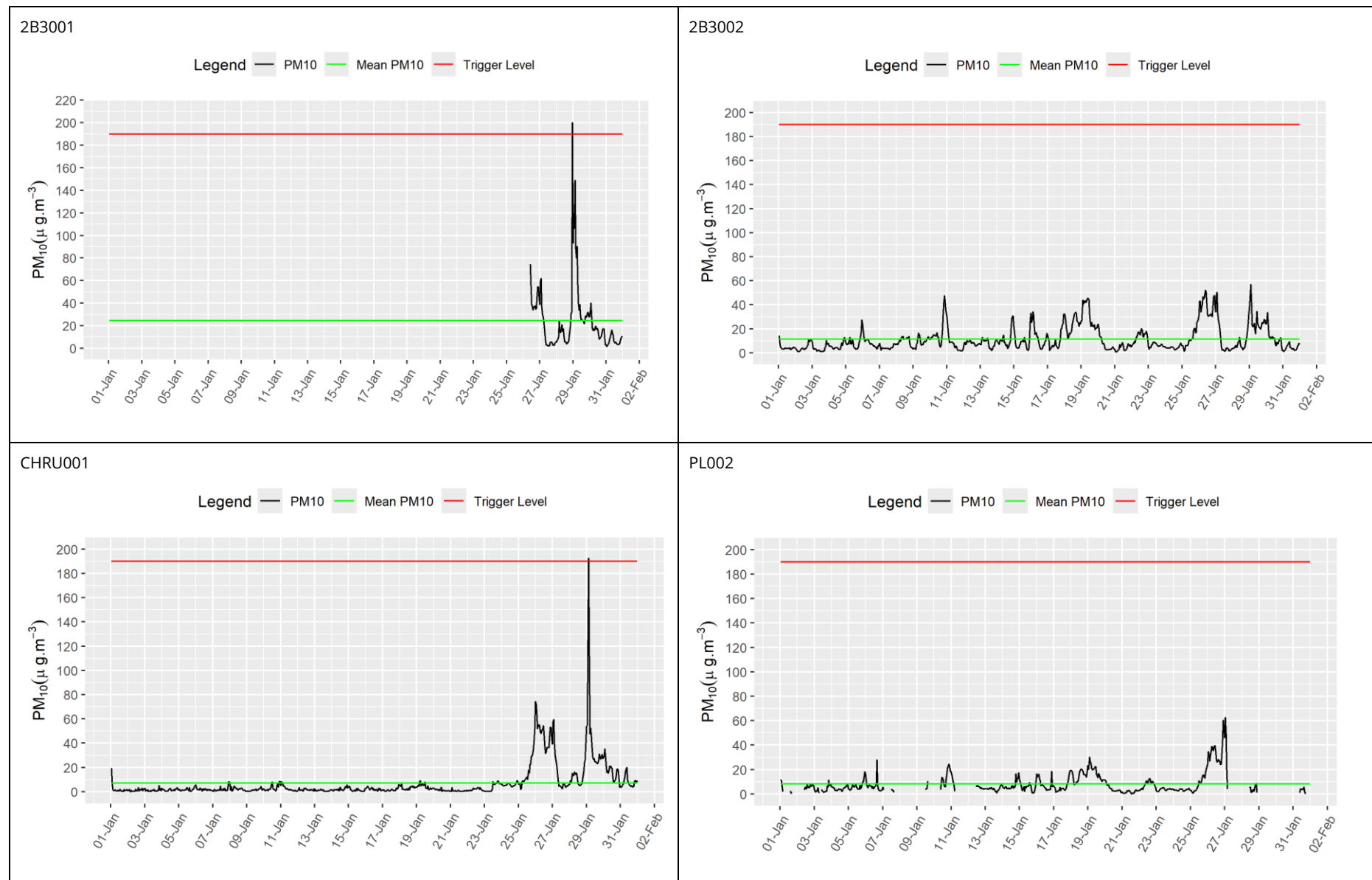
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Minimum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Maximum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Number of 1-hour periods exceeding trigger level of 190 µg/m <sup>3</sup>	Data capture Month (%)
2B3001	422322, 280034	Sublot 2B3, at Marsh Farm	M	Yes	No	24.4	1.4	200.1	1	18.1
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	11.4	0.9	56.8	0	100.0
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	7.1	0.1	192.4	1	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	8.2	0.1	62.7	0	71.6
DLE001	421035, 281818	Diddington Lane	M	Yes	No	4.4	0.3	17.6	0	20.4
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	10.0	0.4	38.2	0	5.9
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	-	-	-	-	-
CGRU002	424516, 277498	Annora House	M	Yes	No	4.5	0.1	24.4	0	45.2
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	2.2	0.1	24.2	0	51.5

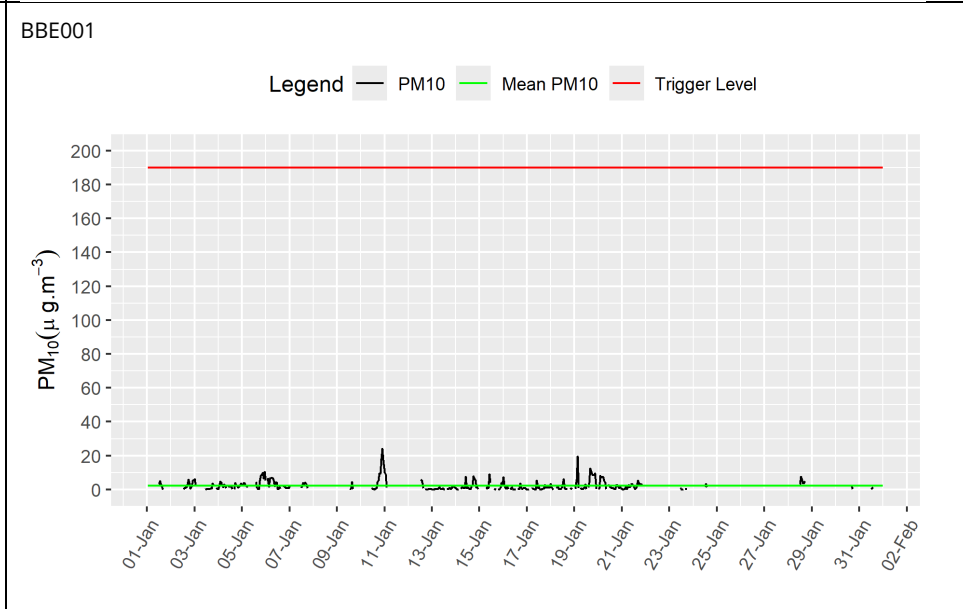
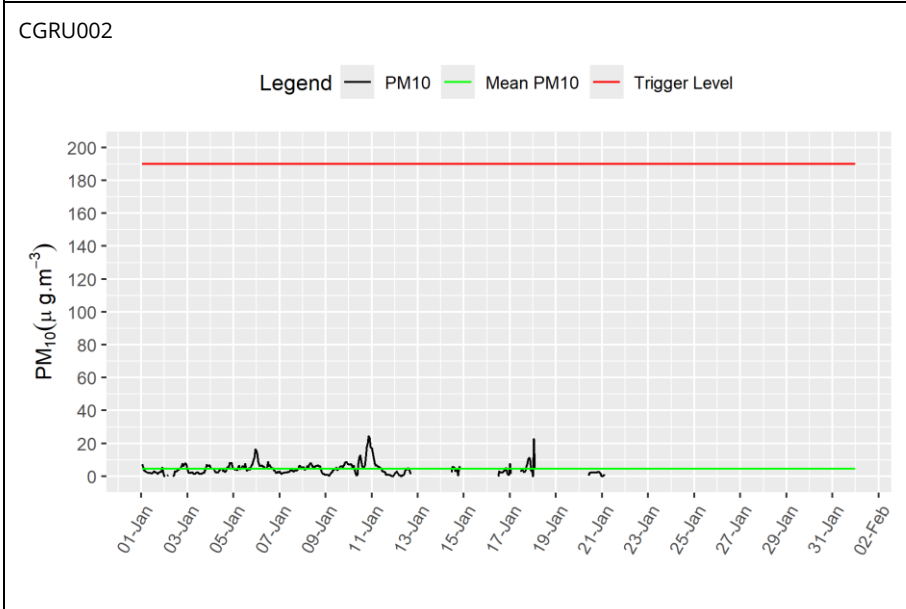
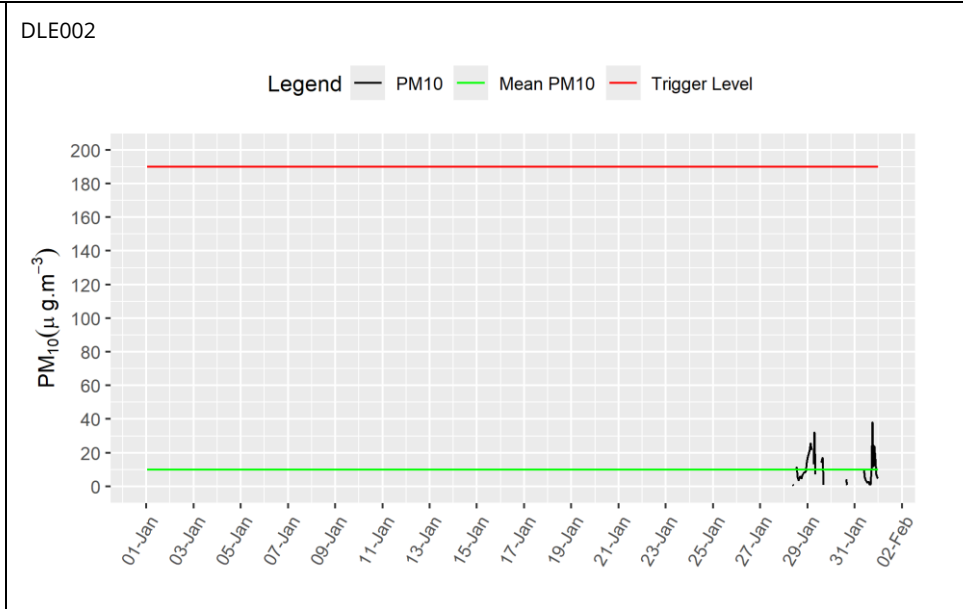
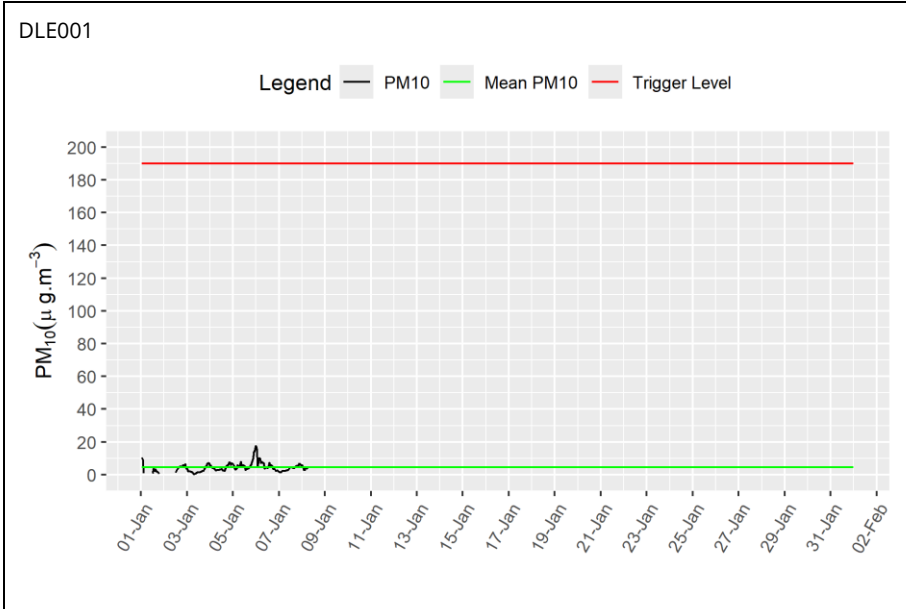
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Minimum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Maximum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Number of 1-hour periods exceeding trigger level of 190 µg/m <sup>3</sup>	Data capture Month (%)
WL001	425630, 276637	Dragonflies	M	Yes	Yes	5.0	0.1	21.6	0	39.4

Table 2: Summary of exceedances during period (January 2026)

Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
2B3001	28/01/2026 22:01 – 23:00; 200.1 µg/m <sup>3</sup>	The exceedance occurred outside of BBV construction hours and was not associated with BBV works activities.	N/A
CHRU001	29/01/2026 02:01 – 03:00; 192.4 µg/m <sup>3</sup>	The exceedance occurred outside of BBV construction hours and was not associated with BBV works activities.	N/A

Figure 4: Construction dust 1-hour mean indicative PM<sub>10</sub> concentration for all dust monitors





WL001

