

Air Quality and Dust Monitoring Monthly Report – February 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 February 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, 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

- Carol Green Wall 6 construction.

Sublot 2B3

Balsall Common Viaduct

- Installation of formwork at P14.
- Building scaffolding at AB17 and P15.
- Installing diaphragm beam on P14.
- Installation of precast beams from P14 to P15.

Park Lane

- M214 construction and haul road traffic.
- Lavender Hall Lane closure starts.
- Removing Heras barriers and installing perimeter fencing.
- Remove French drain.
- Plane out Lavender Hall Lane.
- Trial hole on gas main.
- Lifting operations.

- Excavator tracked and wheeled.
- Haul road traffic.
- A452 realignment works.

A452 Compound

- Installation of track drainage at Sixteen Acre Wood Embankment.

Sublot 5S

Coleshill Heath Road

- South abutment steel fixing.
- Rebar fixing.

Coleshill Heath Road Underbridge

- North abutment EFFCO installation.
- Steel fixing.
- General formwork and removals.
- Scaffolding installation.

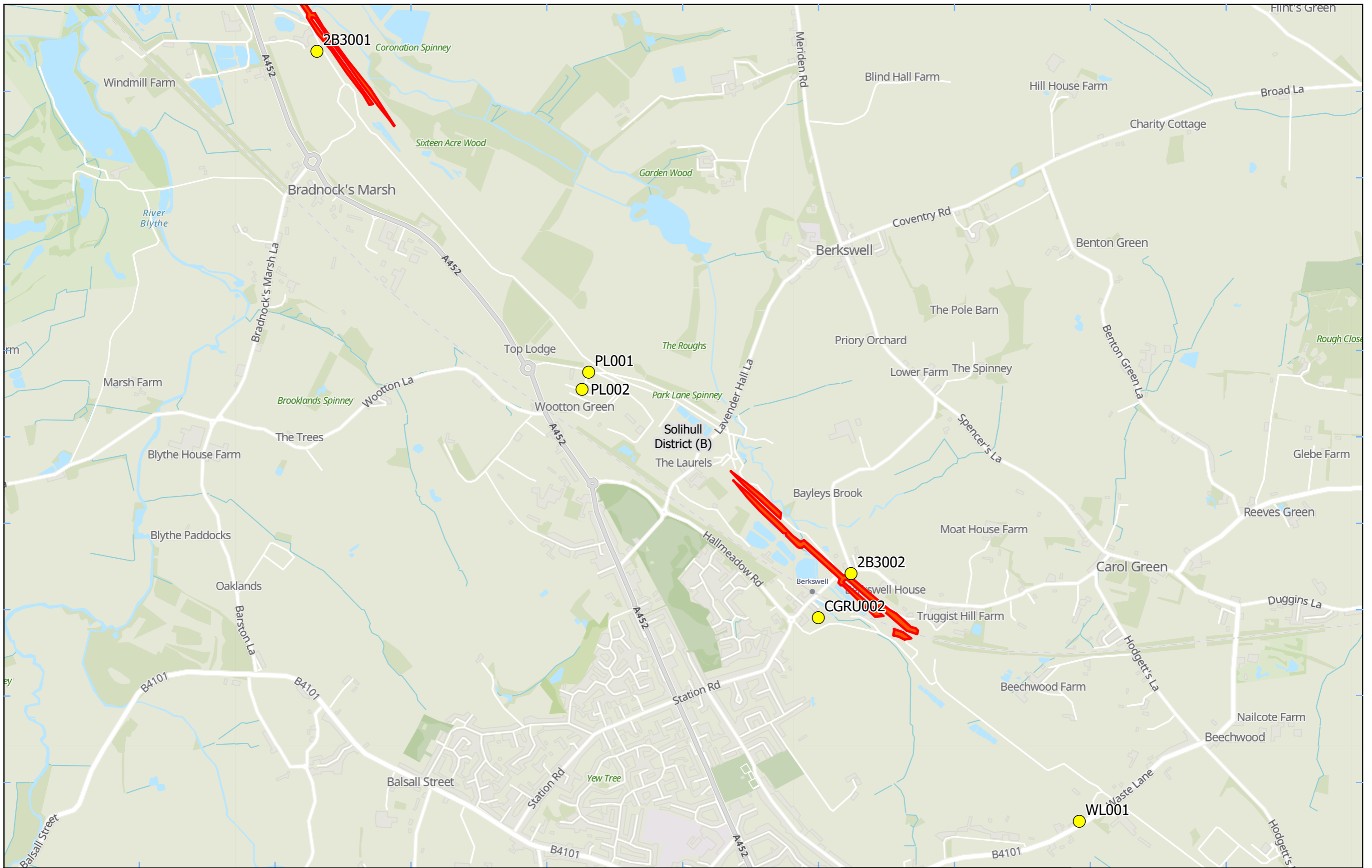
- 1.1.5 Nine (9) dust monitors are installed around these worksites, where works are underway. These sites returned a medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from the dust monitors presented 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 PM₁₀ concentrations of 190 µg/m³, 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 No (0) dust trigger alerts were recorded during the monitoring period (February 2026).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor 2B3002 – A battery refresh took place on 20th February 2026. After the site visit, the issues were resolved.
 - Monitor BBE001 – A battery refresh took place on 11th February 2026. After the site visit, the issues were resolved.

- Monitor DLE002 – Battery refreshes took place on 11th February and 24th February 2026. After the site visits, the issues were resolved.
- Monitor WL001 - A battery refresh took place on 3rd February 2026. After the site visit, the issues were temporarily resolved. Another battery refresh took place on 4th March 2026. After the site visit, the issues were resolved.
- Monitor BIS001 – The monitor was swapped out on 5th March 2026. After the site visit, the issues were resolved.
- Monitor DLE001 – A monitor swap out and battery refresh took place on 27th February 2026. After the site visit, the issues were resolved.
- Monitor PL002 – A monitor swap out is being scheduled.

1.1.10 There were no (0) complaints received during this reporting period (February 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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Map Number

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

Solihull Metropolitan Borough

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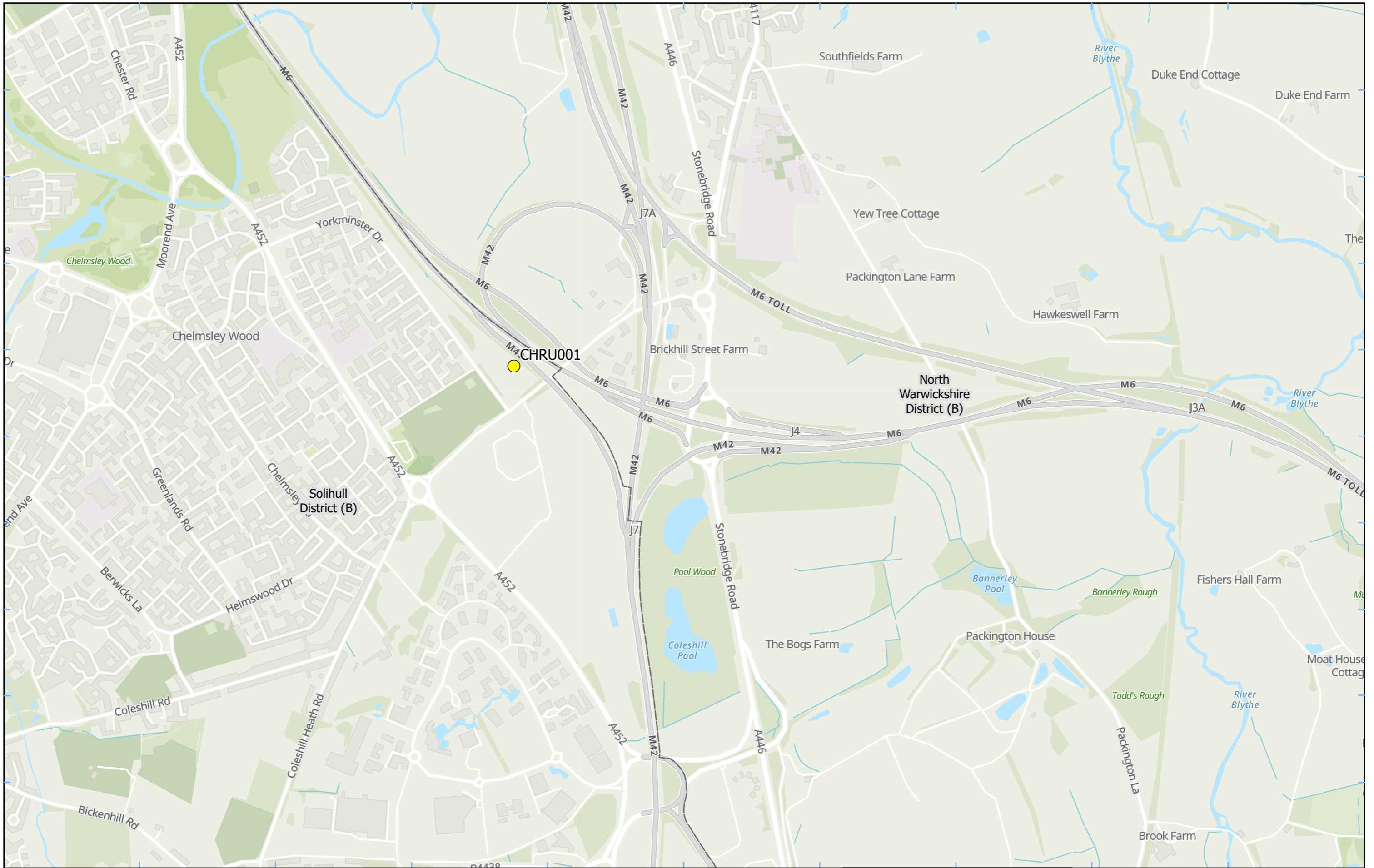
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Metres

Date: 30/09/25



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 Dust Monitor
 District Borough Unitary Boundaries

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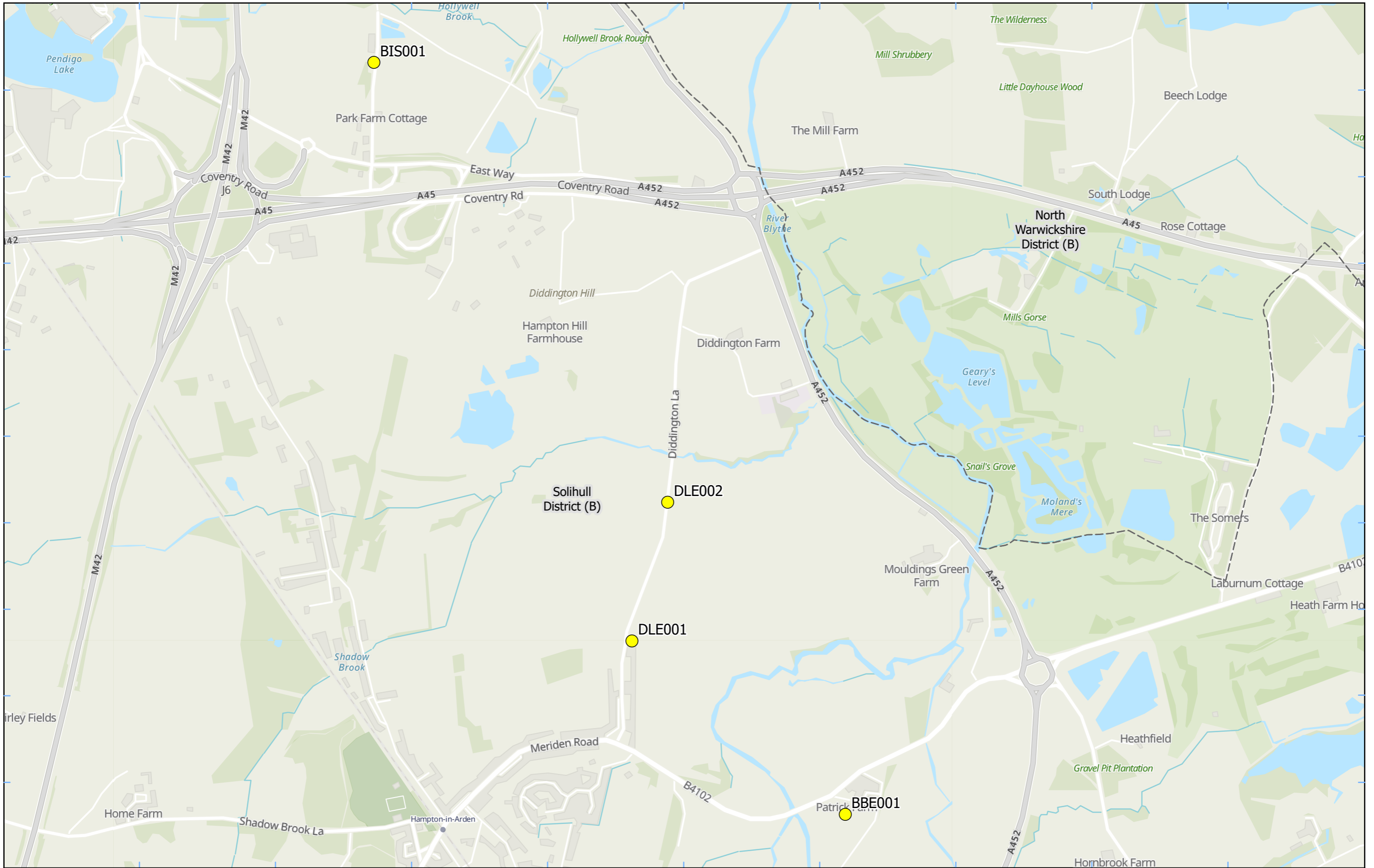
Map Number
 Map Name
**Monitoring Locations
 In SMBC (Sheet 2)**
 Solihull Metropolitan Borough

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Legend

- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

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

Solihull Metropolitan Borough

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Appendix B – Dust Monitoring Results

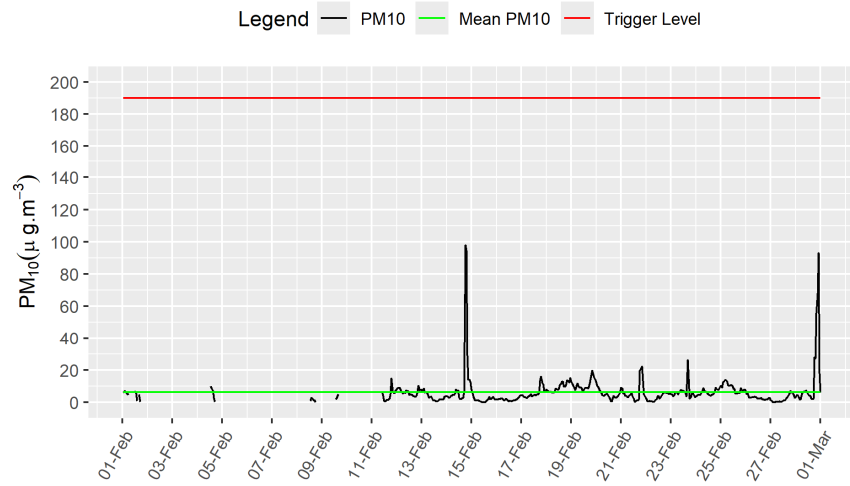
Table 1: Dust Monitoring Locations and Results

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 ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1-hour periods exceeding trigger level of 190 µg/m ³	Data capture Month (%)
2B3001	422322, 280034	Sublot 2B3, at Marsh Farm	M	Yes	No	16.1	1.0	168.5	0	100.0
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	9.0	0.4	40.5	0	72.6
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	16.2	1.2	146.8	0	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	5.1	0.1	60.5	0	24.9
DLE001	421035, 281818	Diddington Lane	M	Yes	No	4.1	0.6	7.3	0	5.1
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	6.3	0.1	98.0	0	66.8
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	-	-	-	-	-
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	0.9	0.1	9.6	0	53.4
WL001	425630, 276637	Dragonflies	M	Yes	Yes	5.7	0.1	62.8	0	77.4

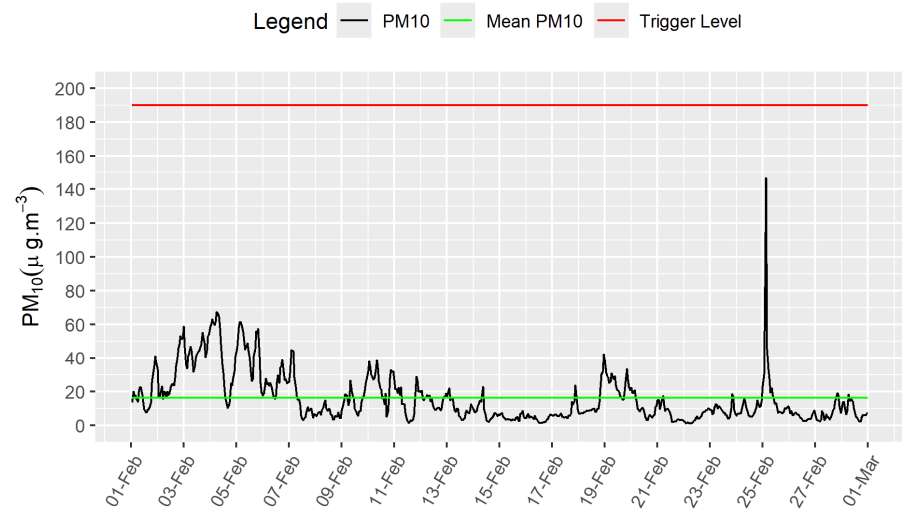
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



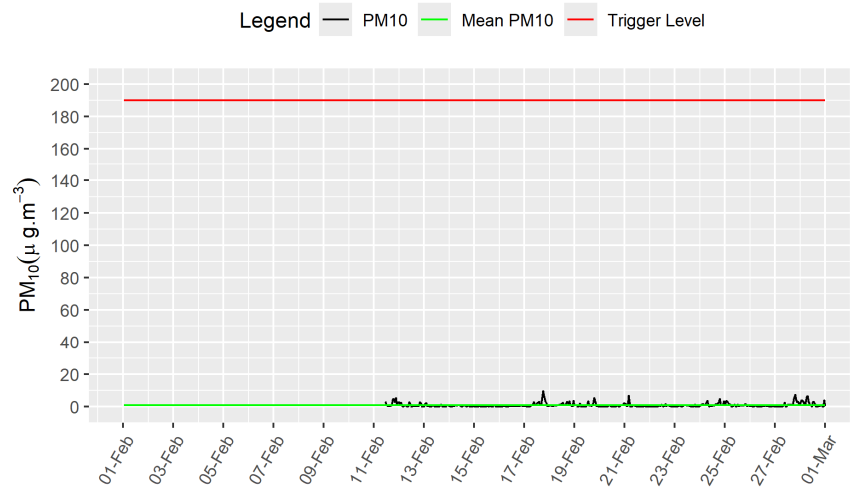
DLE002



BIS001



BBE001



WL001

