

Air Quality and Dust Monitoring Monthly Report – June 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 June 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

- No BBV works occurred in June 2026.
- Vegetation clearance

Carol Green Rail Underbridge

- Parapet installation

Sublot 2B3

Balsall Common Viaduct

- Installing CBGM at AB17
- Installing formwork at AB17 cantilever/ pouring concrete
- Installing 6F5 protection layer at AB17 embankment

Park Lane

- Roadhead activities and installation of Park Lane Cutting dig and replace works
- Vegetation clearance
- Construction of M215 upper embankment fill and haul road
- Bayleys Brook culvert installation work and technical backfill around culvert.
- Highway embankment fill works.

- Trench Excavation for Gas main protection slab.
- A452 realignment works

A452 Compound

- Installation of Sixteen Acre Wood Embankment landscape earthworks.

Blythe Bypass Embankment Worksite (ref.: BBE)

- Stockpiling and material movement, formwork and reinforced concrete works, excavation, septic tank installation and removal, and backfilling activities.

Sublot 5S

Coleshill Heath Road

- Landscape fill (earthworks)

Coleshill Heath Road Underbridge

- Excavations
- Noise barrier piling
- Steel works
- Welding
- Formwork installation
- Abutment backfill

Birmingham Interchange Station worksite (ref.: BIS)

- Backfilling, and site and haul road maintenance works.

Diddington Lane Embankment (ref.: DLE)

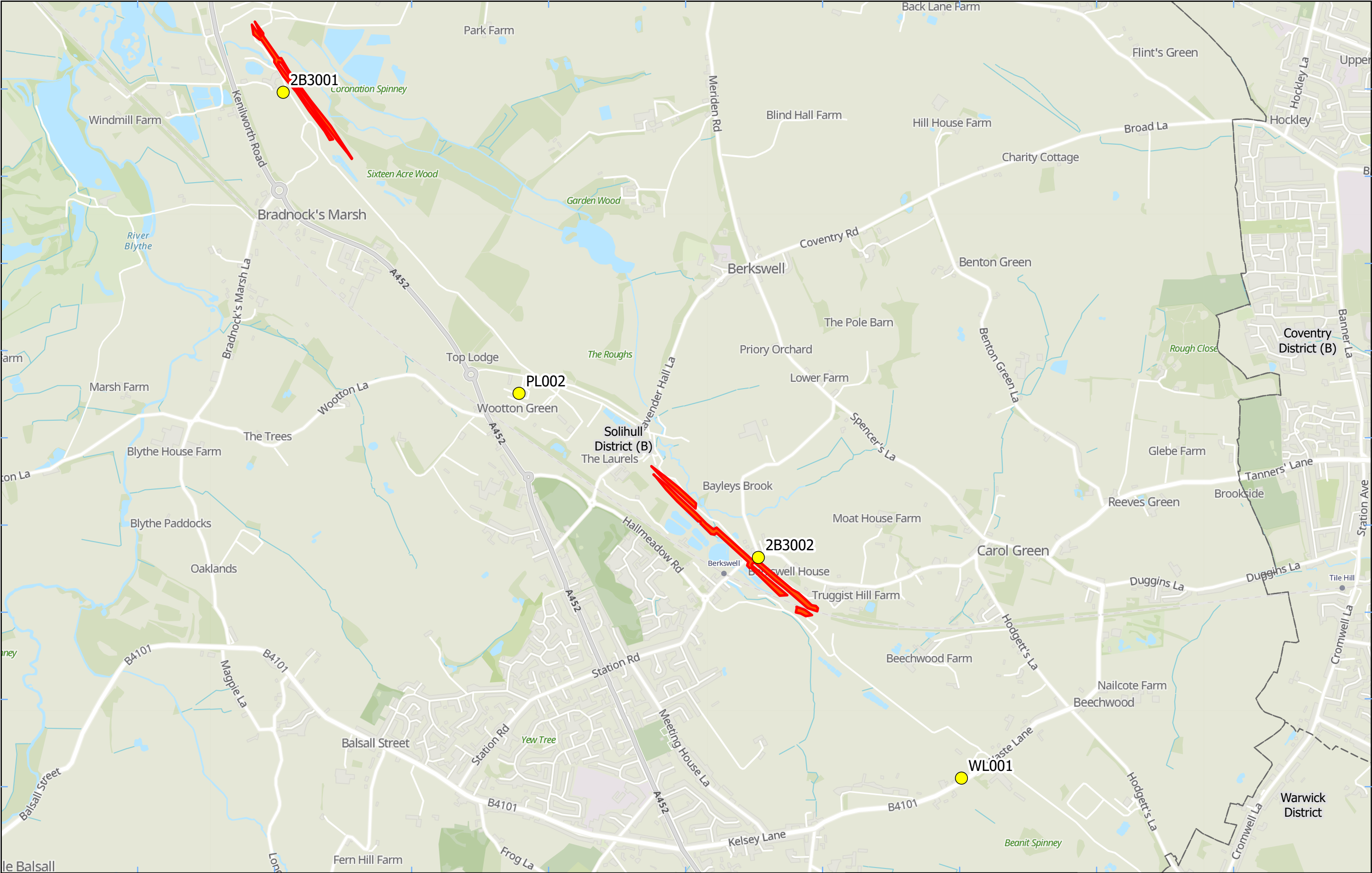
- Steel fixing, shutter installation, platform construction and dismantling, concrete pours and site and haul road maintenance works.

- 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.

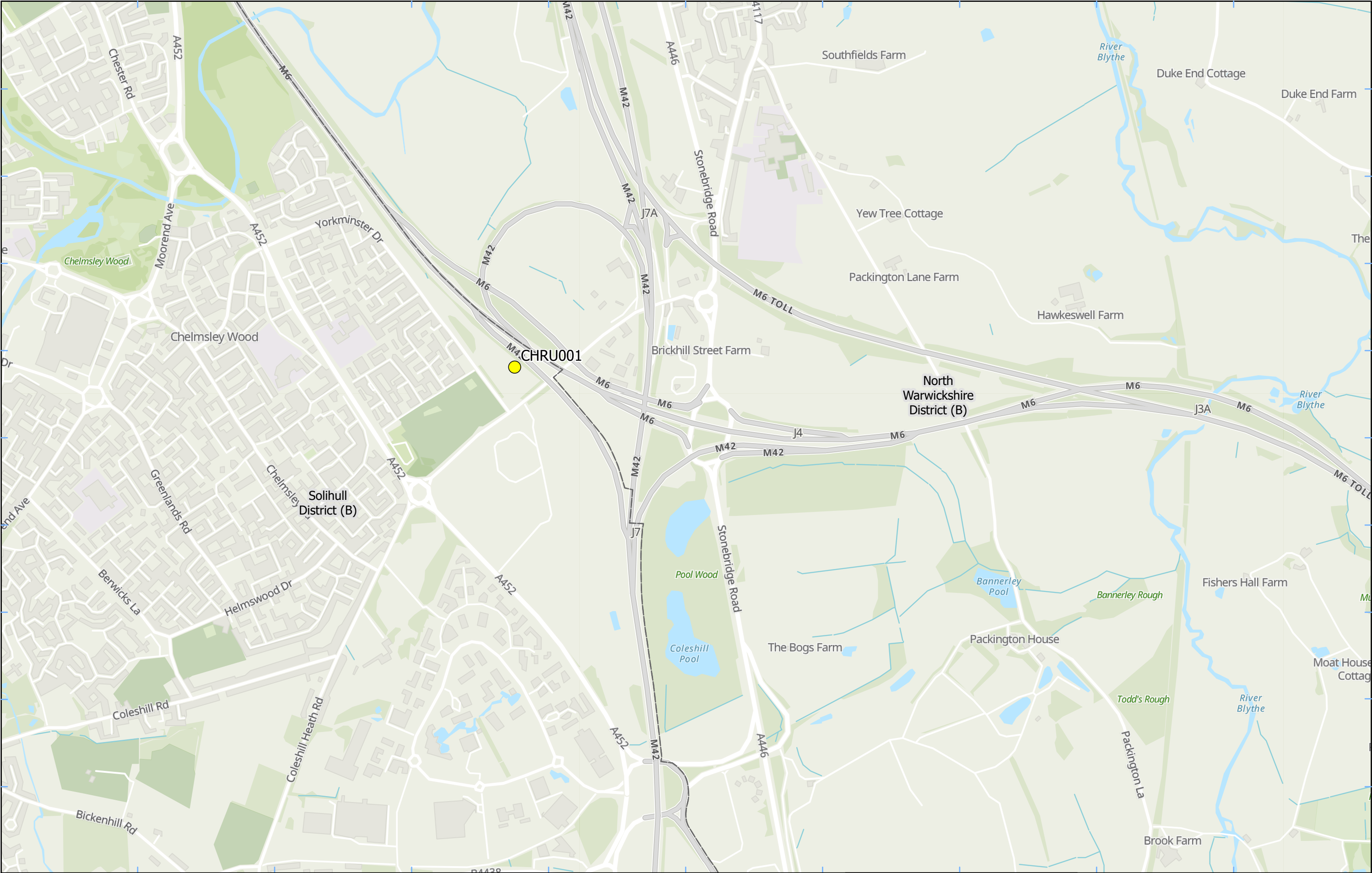
- 1.1.7 The trigger level for PM₁₀ concentrations of 190 µg/m³, over a 1-hour period, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.
- 1.1.8 No (0) dust trigger alerts were recorded during the monitoring period (June 2026).
- 1.1.9 Data capture fell below 90% at multiple monitors, with the low data capture at monitor DLE001 attributable to technical issues; a monitor replacement is scheduled for 15 July 2026.
- 1.1.10 There were no (0) complaints received during this reporting period (June 2026).

Appendix A – Worksites and Monitoring Locations

Figures 1-3: Worksites and Monitoring Locations within SMBC



Legend Dust Monitor Worksite Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2026. Contains data from OS Zoomstack	Map Number	 HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way. Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA. © Crown copyright and database rights 2026. Ordnance Survey Licence Number 100049190.
	Map Name Worksite and Monitoring Locations In SMBC (Sheet 1)	
	Solihull Metropolitan Borough	
	Doc Number:	Date: 28/04/26



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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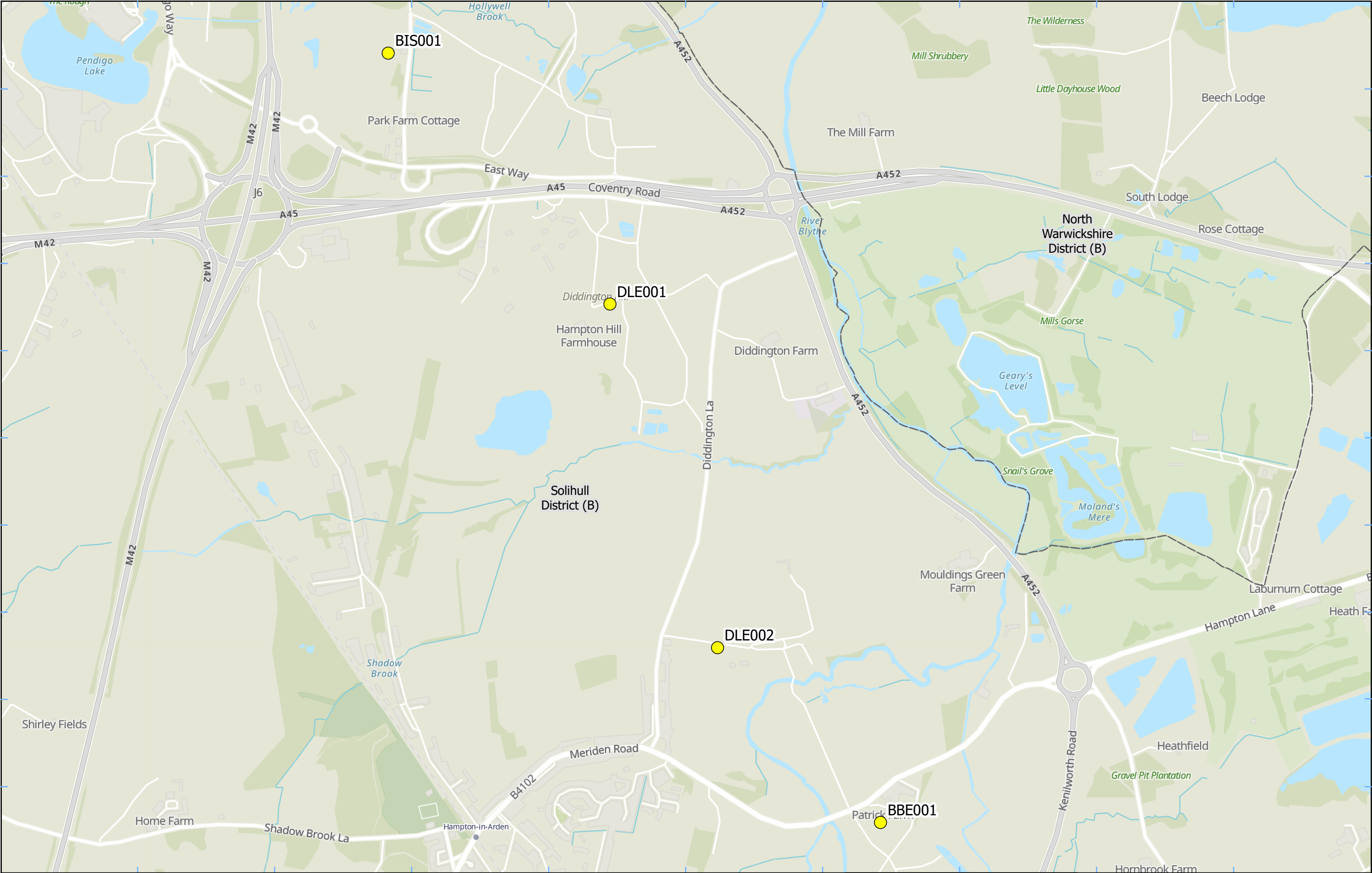
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Date: 26/03/24



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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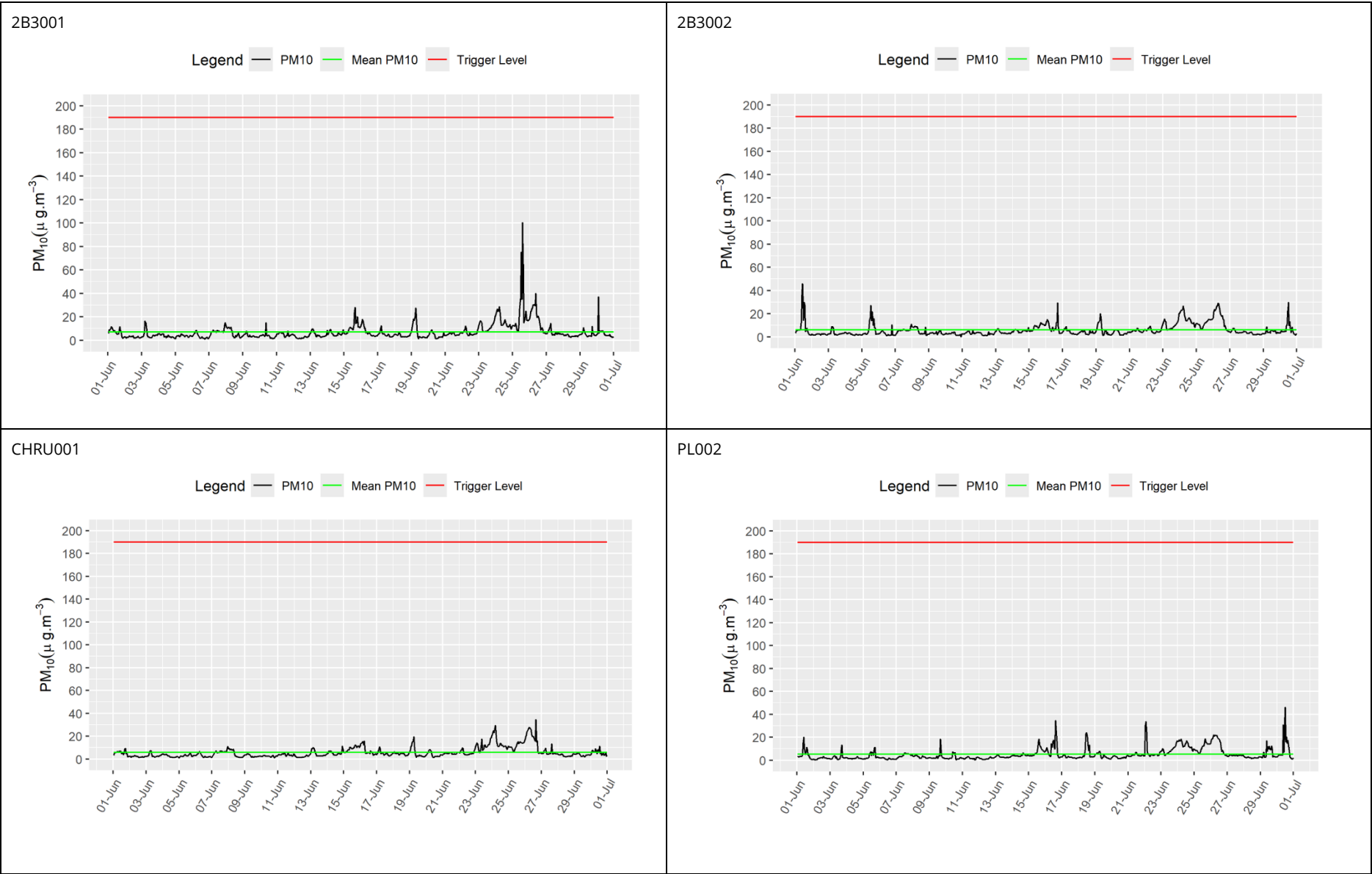
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Appendix B – Dust Monitoring Results

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	7.0	1.1	100.3	0	100.0
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	6.0	0.3	46.0	0	100.0
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	5.7	1.1	34.4	0	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	5.1	0.2	46.1	0	100.0
DLE001	421035, 281818	Diddington Lane	M	Yes	Yes	-	-	-	-	-
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	4.6	0.2	91.6	0	94.7
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	4.7	0.2	24.5	0	100.0
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	5.3	0.6	26.6	0	100.0
WL001	425630, 276637	Dragonflies	M	Yes	Yes	3.4	0.1	18.3	0	100.0

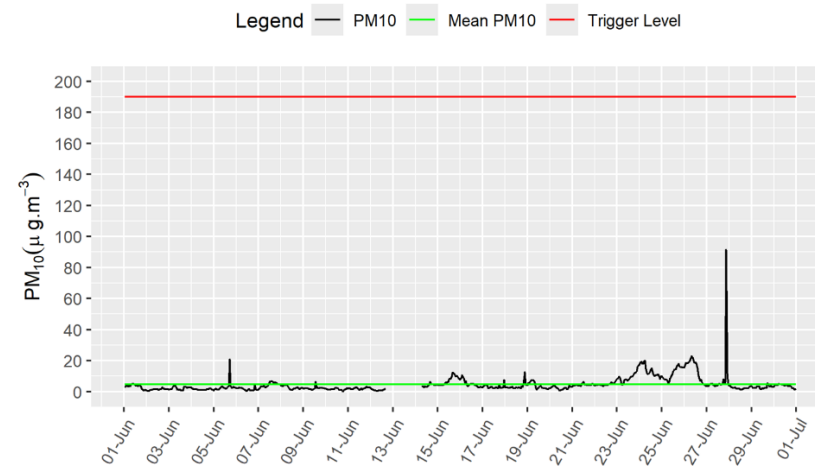
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



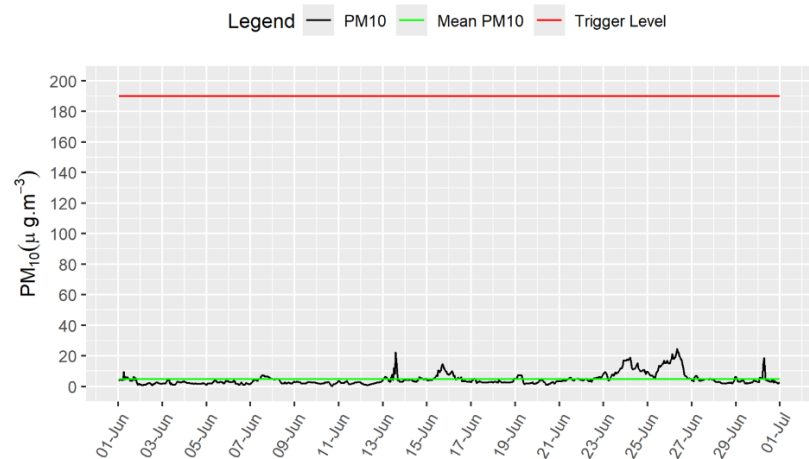
DLE001

No data

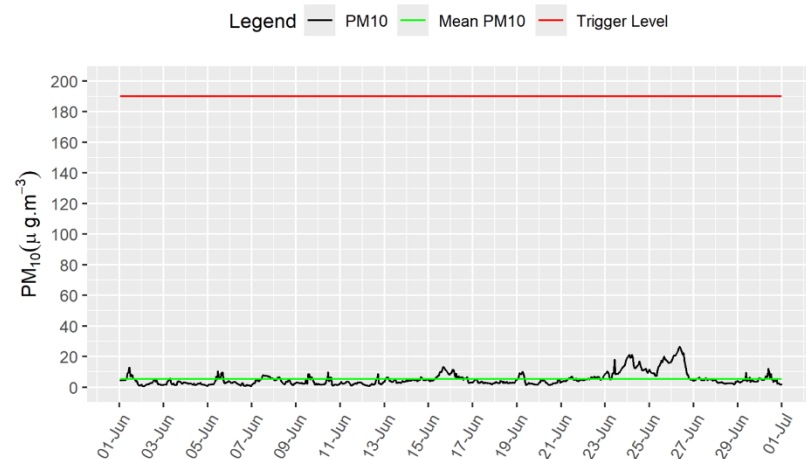
DLE002



BIS001



BBE001



WL001

