

Air Quality and Dust Monitoring Monthly Report – May 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.

High Speed Two (HS2) Limited,
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

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

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2026, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v3.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/3 **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



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 May 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 works occurred in May 2026.

Carol Green Rail Underbridge

- Technical backfill and upper embankment fill works.
- Carol Green formwork.
- Reinforcement and concrete works.

Sublot 2B3

Balsall Common Viaduct

- Technical backfill and upper embankment works.
- Carol Green formwork.
- Reinforcement and concrete works.
- Unloading of parapet.
- Hydrodam works to expose the rebar with jet washer.
- Rerouting the haul road under P16 and AB17 of Balsall Common Viaduct.

Park Lane

- Material stockpile and reload.
- Land drainage works.
- Trial hole to find gas feeder pipe.

- Removing class 7 from Lavender Hall Lane West removing.
- Removing tarmac around gas valve.
- Technical backfill and stockpile movement.
- Drainage installation on both north and south of Lavender Hall Lane.
- Highway embankment fill works.
- A452 road realignment works.

A452 Compound

- Track drainage works.
- Drainage installation at Sixteen Acre Wood.
- Precast installation for A452 road realignment.

Sublot 5S

Coleshill Heath Road

- Landscape fill.
- Stabilisation.
- Haul road maintenance and material movement between Sublot 5S sites throughout the month in core hours.

Coleshill Heath Road Underbridge

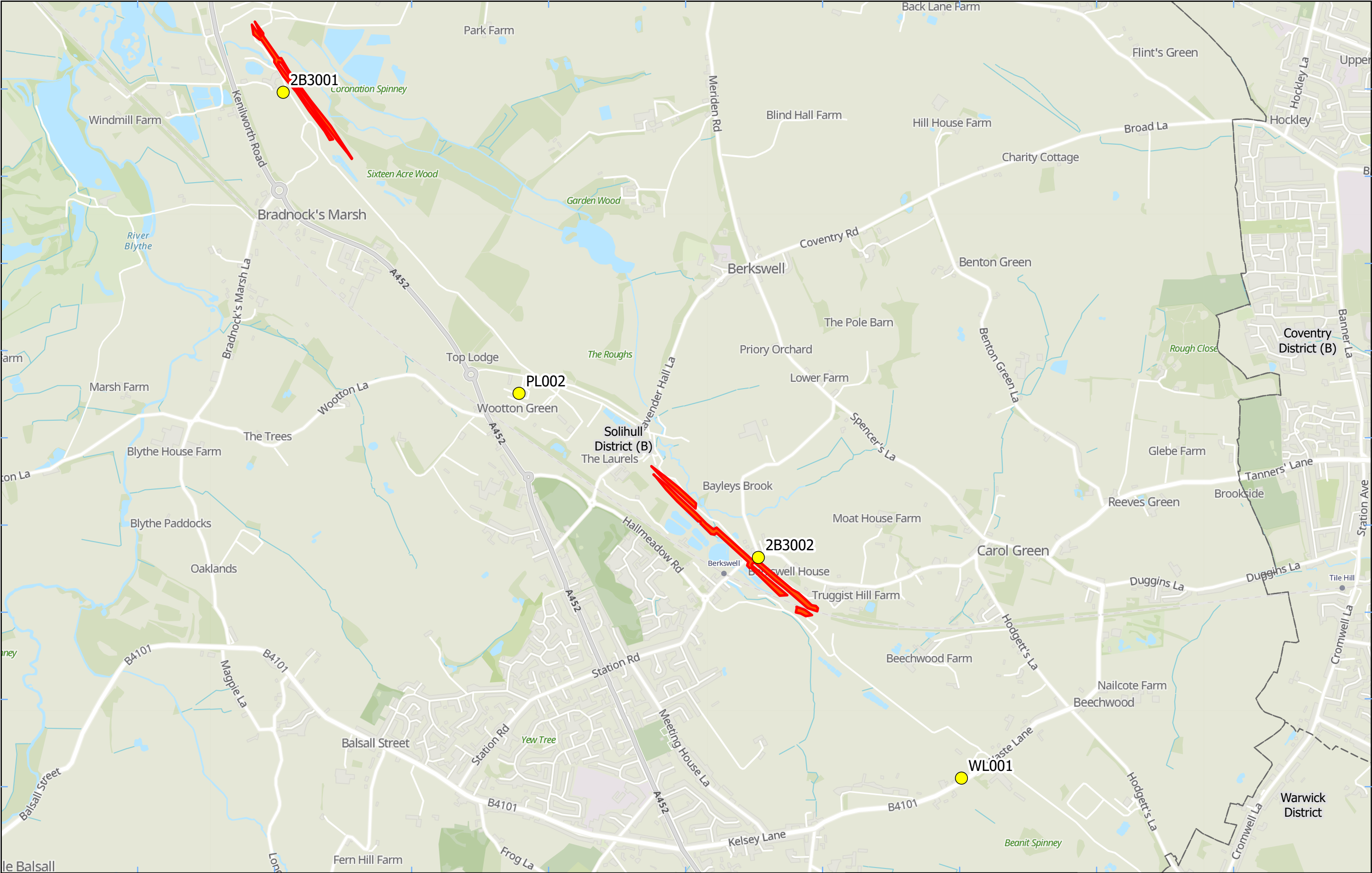
- Scaffolding.
- Rebar installation.
- Formwork installation.
- Formwork removal.
- Removal of shutters.
- Grout and concrete works.
- Scaffolding.
- Haul road maintenance and material movement between Sublot 5S sites throughout the month in core hours.

- 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.

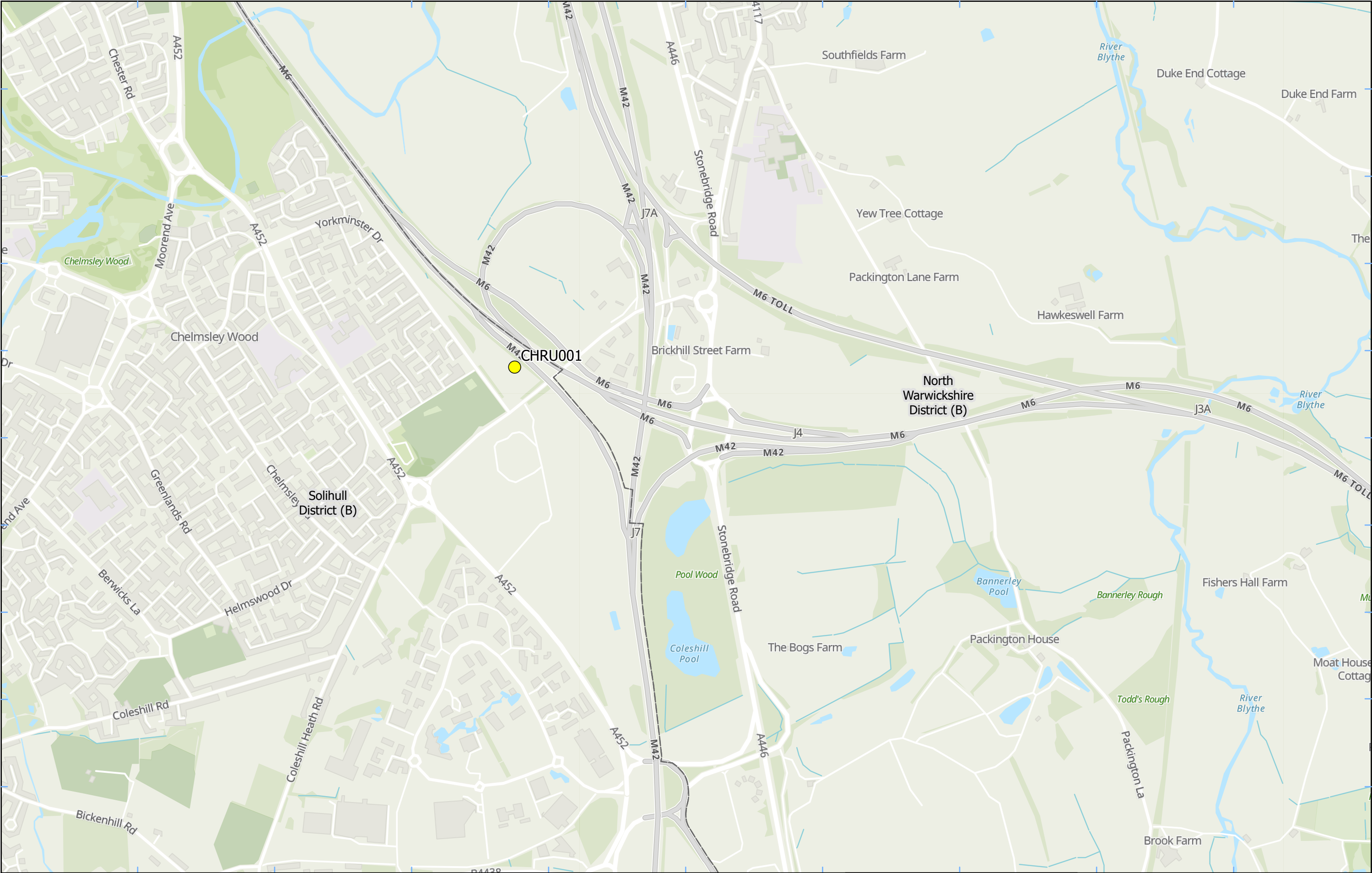
- 1.1.7 The trigger level for PM₁₀ concentrations of 190 µg/m³, over a 1-hour period, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.
- 1.1.8 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.
- 1.1.9 There were no (0) complaints received during this reporting period (May 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



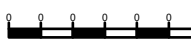
Legend

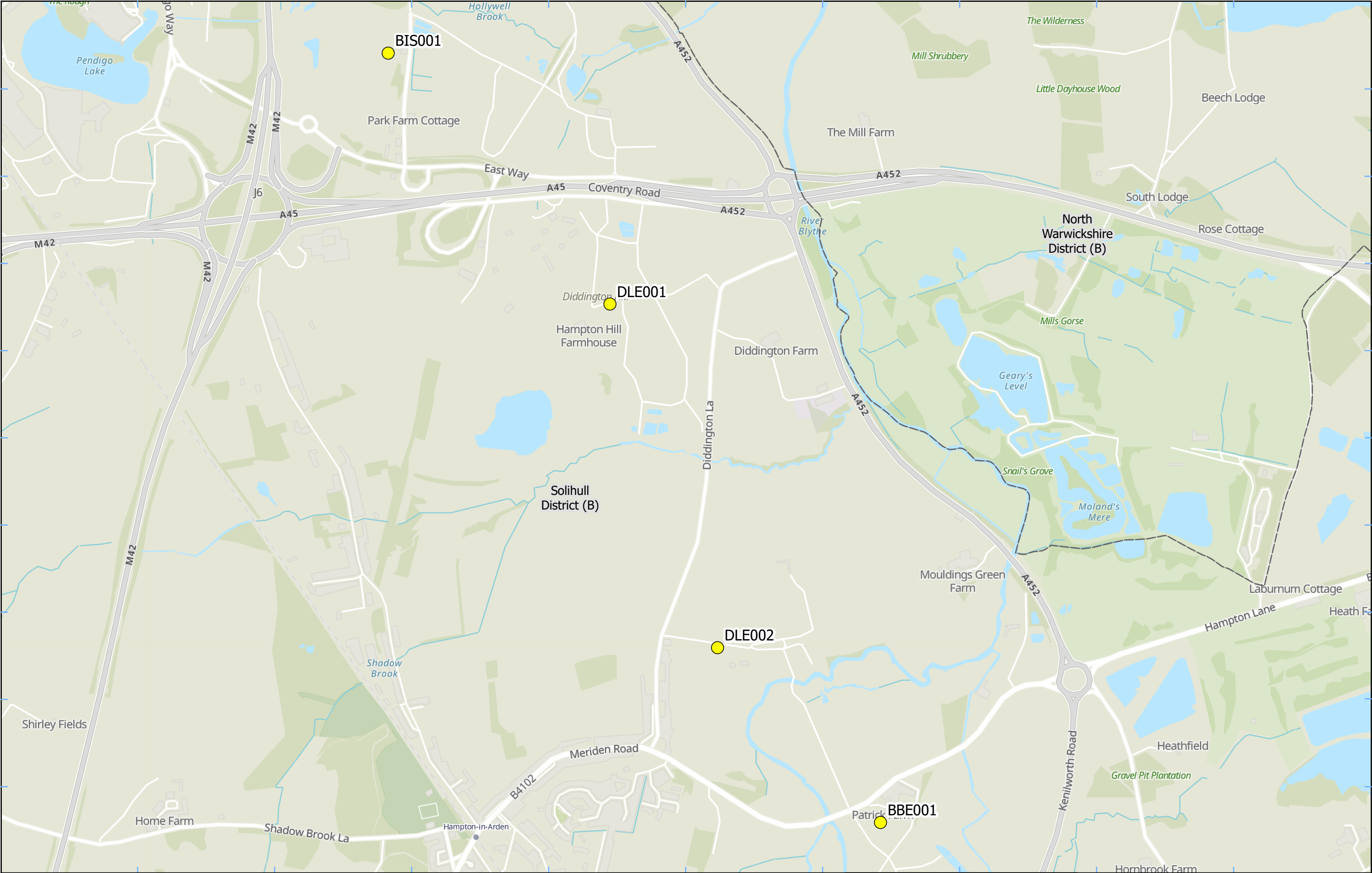
 Dust Monitor

 District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

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

 Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.	 Scale at A3: 1:12,000  Metres
© Crown copyright and database rights 2024. Ordnance Survey Licence Number 100049190.	Doc Number:
Date: 26/03/24	



Legend Dust Monitor District Borough Unitary Boundaries	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.
	Map Name	
	Monitoring Locations In SMBC (Sheet 3)	Scale at A3: 1:10,000
Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2026. Contains data from OS Zoomstack	Solihull Metropolitan Borough	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. Doc Number:
		Date: 28/04/26

Appendix B – Dust Monitoring Results

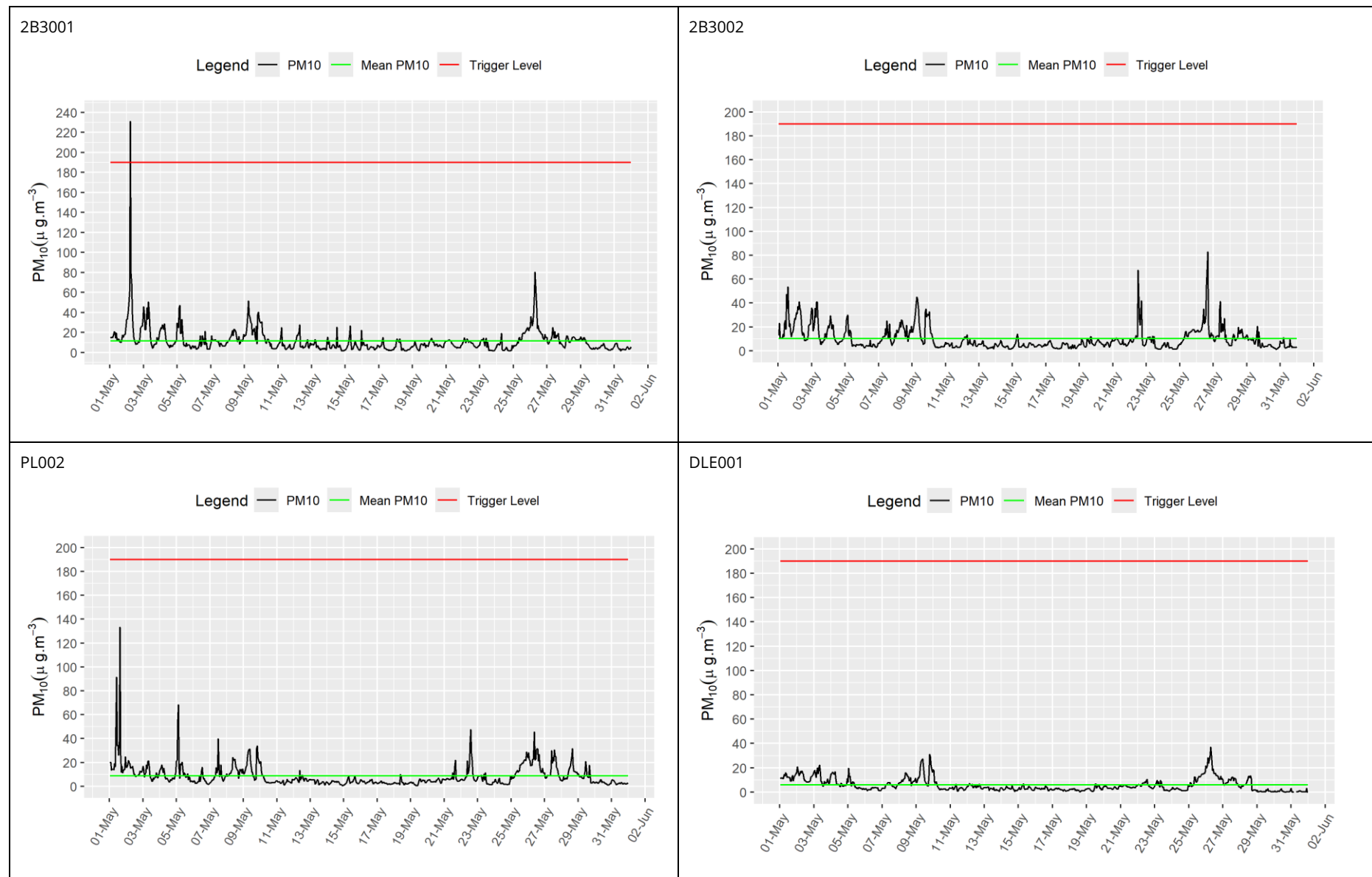
Table 1: Dust Monitoring Locations and Results

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	11.6	1.6	231.1	1	100.0
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	10.1	1.2	82.9	0	100.0
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	5.7	0.4	36.3	0	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	8.8	0.5	133.4	0	100.0
DLE001	421035, 281818	Diddington Lane	M	Yes	Yes	5.9	0.1	36.9	0	99.7
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	12.1	0.1	979.8	8	99.9
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	6.9	0.4	37.7	0	100.0
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	8.1	0.5	60.4	0	100.0
WL001	425630, 276637	Dragonflies	M	Yes	Yes	5.5	0.2	29.6	0	99.7

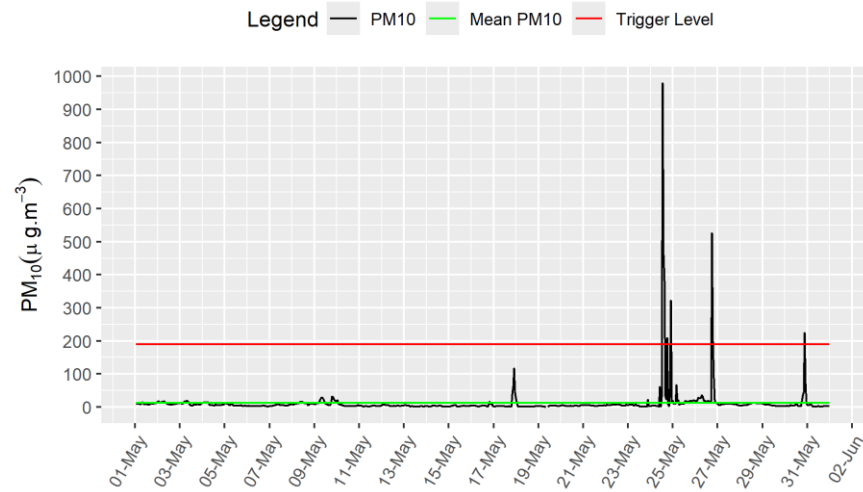
Table 2: Summary of exceedances during period (May 2026)

Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
DLE002	24/05/2026 12:01 – 13:00; 979.8 µg/m³ 13:01 – 14:00; 461.0 µg/m³ 14:01 – 15:00; 382.2 µg/m³ 17:01 – 18:00; 209.3 µg/m³ 21:01 – 22:00; 322.8 µg/m³ 26/05/2026 17:01 – 18:00; 525.8 µg/m³ 18:01 – 19:00; 198.9 µg/m³ 30/05/2026 20:01 – 21:00; 225.3 µg/m³	The exceedances recorded on 24th May 2026, and 30th May 2026 occurred outside of BBV construction hours and were therefore not associated with BBV construction activities. The exceedances recorded on 26th May 2026 occurred during working hours but there were no BBV construction activities near the monitor at the times of the exceedances and so are unlikely to be due to BBV construction activities.	N/A
2B3001	02/05/2026 20:00 – 20:59; 220.0 µg/m³	Exceedance occurred outside of BBV construction hours and as such was not associated with BBV construction activities.	N/A

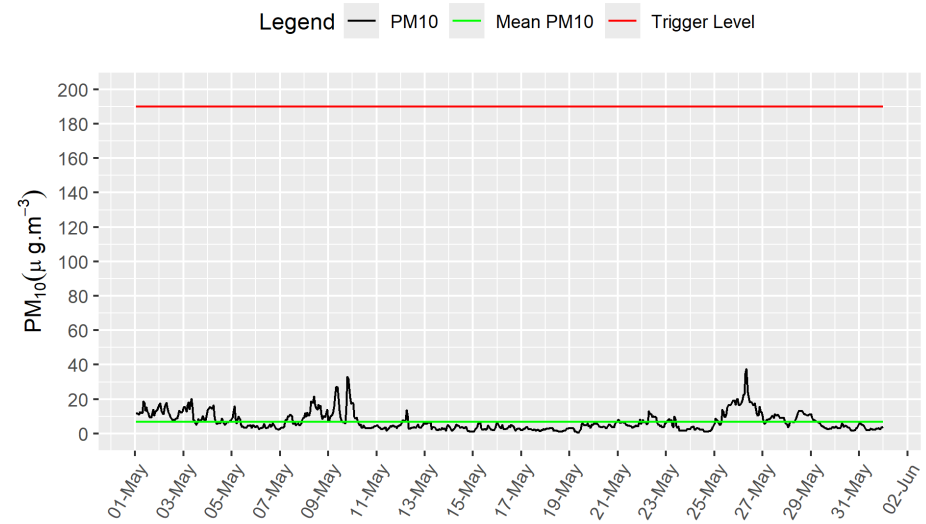
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



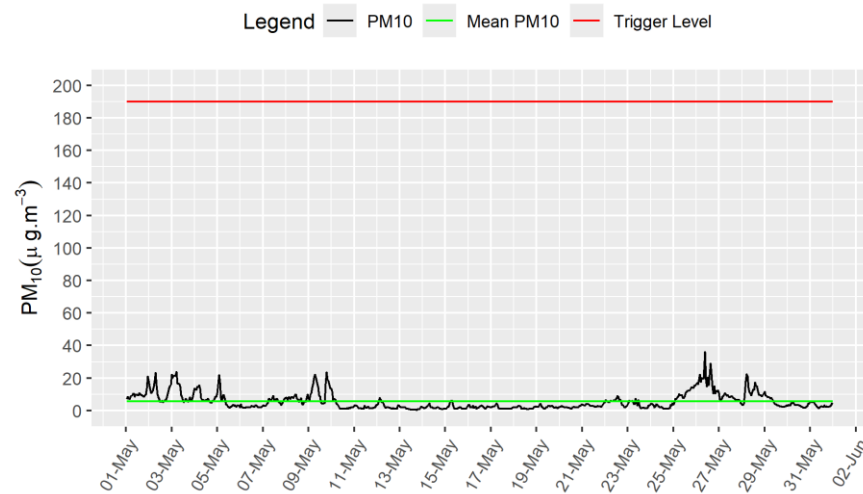
DLE002



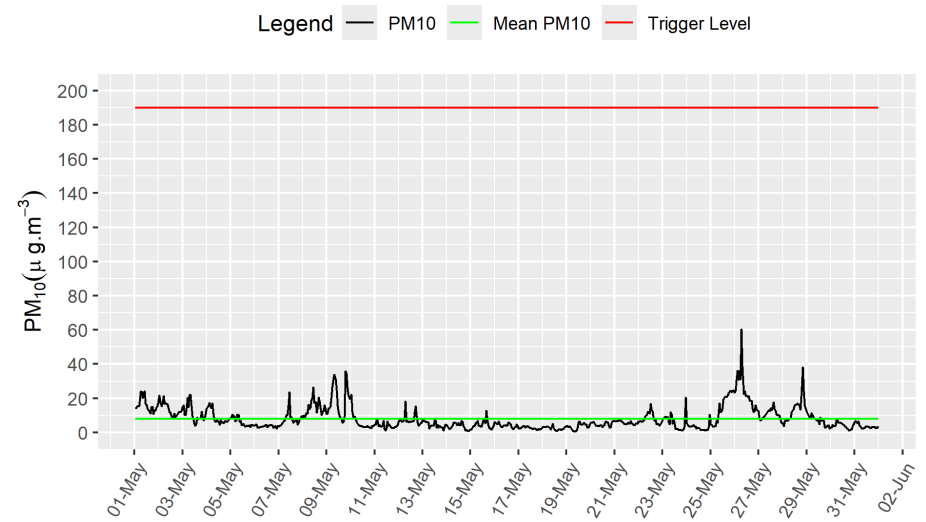
BIS001



CHRU001



BBE001



WL001

