

Air Quality and Dust Monitoring Monthly Report – March 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 March 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 in March 2026.

Carol Green Rail Underbridge

- Technical backfill.
- Upper embankment fill works.

Sublot 2B3

Balsall Common Viaduct

- Steel fixing bridge deck.
- Technical backfill AB17.

Park Lane

- Mainline cut.
- Subsoiling landscape north of M215 East side Phase 2.
- Topsoiling landscape north of M215 East side Phase 2.
- Removal of crane pad.
- Haul road construction – M214 to Lavender Hall Lane on Park Lane Cutting.
- Vegetation cleaning near garage south side of Lavender Hall Lane.
- Trial hole.
- Drainage installation.

- M215 Culvert – installation of ground beams.
- M215 Culvert – installation of wing wall top beam.
- M215 Culvert Apron Slab – curing period.
- M215 Overbridge technical backfill removal of 500mm of soil.
- M215 Overbridge backfill.
- M215 Culvert concrete protection layer.
- Dig and Replace excavation.

A452 Compound

- Track drainage.
- Excavation works.

Sublot 5S

Coleshill Heath Road

- Landscape fill.
- Trimming West Embankment.
- Lime stabilisation.
- Steel fixing.
- Formwork installation.
- Tree mitigation site.

Coleshill Heath Road Underbridge

- Formwork removal.
- Installation of Mobile Elevating Work Platform.
- Extension wall rebar fixing.

- 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 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 BBE001 – A field calibration was done on 8th April 2026, but the technical issues have not been resolved. A site visit is to be scheduled to resolve the technical issues.
 - Monitor BIS001 – A monitor swap out was done on 5th March 2026. A field calibration is currently scheduled for 17th April 2026.
 - Monitor PL002 - A monitor swap out was done on 19th March 2026. A field calibration is currently scheduled for 10th April 2026.
- 1.1.10 There were no (0) complaints received during this reporting period (March 2026).

Appendix A – Worksites and Monitoring Locations


Figures 1-3: Worksites and Monitoring Locations within SMBC



Legend
 ● Dust Monitor
 [Red Line] Worksite
 [Dashed Line] District Borough Unitary Boundaries

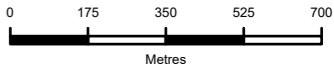
Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2026.
 Contains data from OS Zoomstack

Map Number
 Map Name
**Worksite and Monitoring Locations
 In SMBC (Sheet 1)**
 Solihull Metropolitan Borough

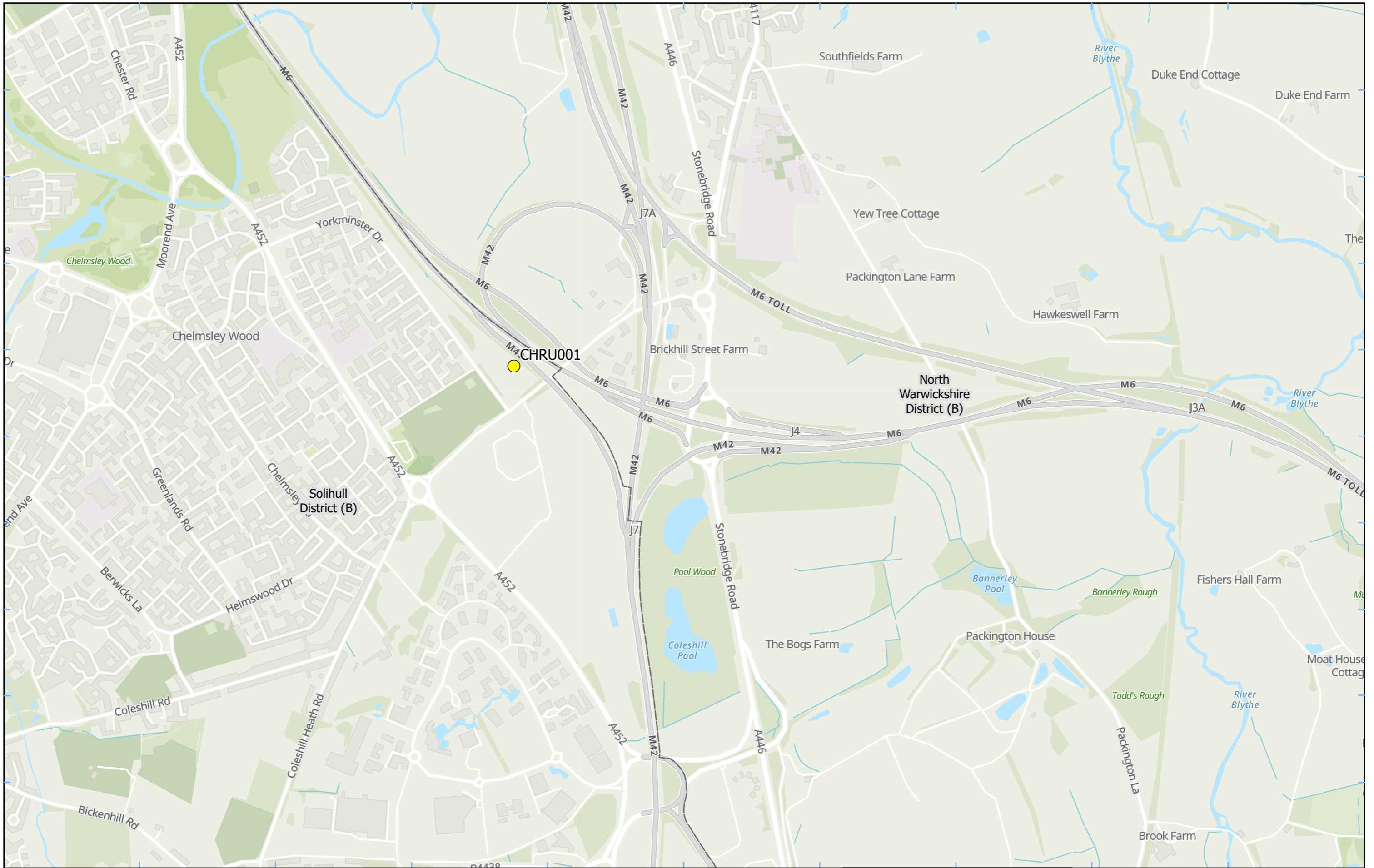

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 Metres

Doc Number: _____ Date: 28/04/26



Legend
 Dust Monitor
 District Borough Unitary Boundaries

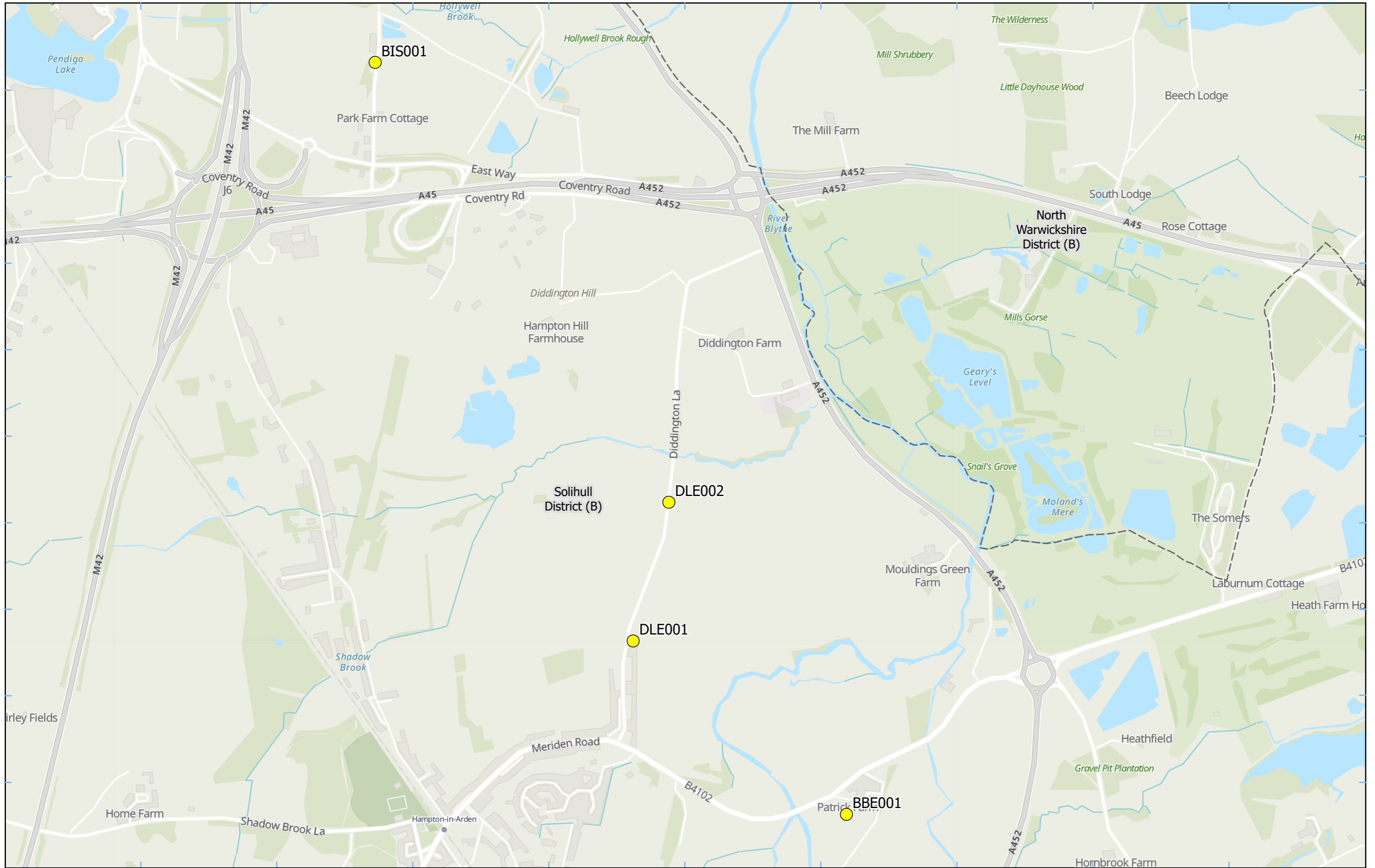
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Map Number
 Map Name
**Monitoring Locations
 In SMBC (Sheet 2)**
 Solihull Metropolitan Borough

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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	23.2	0.2	712.8	8	99.7
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	15.4	0.2	121.2	0	99.7
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	18.5	0.3	210.1	1	99.7
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	12.2	0.2	57.0	0	40.2
DLE001	421035, 281818	Diddington Lane	M	Yes	No	18.8	0.3	210.1	1	99.7
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	10.0	0.1	105.3	0	99.2
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	11.3	0.5	54.6	0	85.5
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	3.0	0.1	42.5	0	85.8
WL001	425630, 276637	Dragonflies	M	Yes	Yes	8.2	0.1	44.6	0	99.2

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

Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
DLE001	05/03/2026 07:01 – 08:00; 210.1 µg/m ³	There were no BBV activities occurring at the time of the exceedances recorded at monitors 2B3001 and CHRU001, so these exceedances are not associated with current BBV construction activities. There were no works occurring at the time of the exceedance recorded at monitor DLE001 as all BBV staff were in a briefing at the time of the exceedance, so this exceedance is not associated with current BBV construction activities.	N/A
CHRU001	21/03/2026 02:01 – 03:00; 210.1 µg/m ³		
2B3001	05/03/2026 01:01 – 02:00; 206.8 µg/m ³ 03:01 – 04:00; 238.1 µg/m ³ 04:01 – 05:00; 194.2 µg/m ³ 05:01 – 06:00; 193.3 µg/m ³ 07:01 – 08:00; 287.3 µg/m ³ 20/03/2026 03:01 – 04:00; 190.2 µg/m ³ 04:01 – 05:00; 491.7 µg/m ³ 21/03/2026 02:01 – 03:00; 712.8 µg/m ³		

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



