

Air Quality and Dust Monitoring Monthly Report – July 2025

Warwick District 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 within Warwick District Council (WDC) during July 2025.
- 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, Figures 1 to 3, include:

Sublot 2A2

Fosse Way Main – Long Itchington Road

- Earthwork movements and excavations.
- Haul road medials to greenway footpath diversion.
- Utilities and drainage works.

Cubbington Compound Worksite

- Pier 4 scabbling works to the top of the pier (ongoing).
- Pier 3 protection screed to pile cap.
- Trial installation of beam jacking system.
- Installation of SA access stairs system to Pier 4.
- Earthworks on AB5 (completed) and backfilling activities.
- Coventry Road: Kerb installation (starting on 25th June on Pier 1 and Pier 2).

Burton Green Tunnel (Sublot 2B2)

- Roof slab reinforcement work for Burton Green Tunnel.
- Concrete pour.
- Burton Green Tunnel slab infill.
- Parapet Installation.
- Cromwell Lane reinstatement highway fill.
- Utility diversion road closure.

Welsh Road Underbridge Satellite Compound (Sublot 2AS)

Offchurch Cutting – Welsh Road Farm

- Earthwork movements for cutting.
- Dust suppression.
- Lime stabilisation.

Offchurch Cutting – Valley Fields

- Install permanent drainage pipes and manholes at River Leam Embankment
- Bulk earthworks to River Leam Embankment area
- Dig, replacement and soil stabilisation to Ash beds cutting
- Excavation of crane platforms to W129y footbridge
- Backfill and testing works to new sewer (Severn Trent) north of Hunn Road
- Offchurch greenway OB Beam water proofing
- Hunningham Road: Vegetation clearance
- Hunningham Road: duct installation for Utility BT diversion along road verge
- Earthworks movements for cutting
- Dust suppression
- Haul Road maintenance.

Offchurch Cutting – Brickyard Cottage

- Deliveries and transport between sites.
- Adhac landscaping.

A429 Kenilworth Road Overbridge (Sublot 2B1)

Kenilworth Road Overbridge – Millburn Grange

- Structure work for the overbridge.
- Kenilworth south landscape fill.

Kenilworth Road Overbridge - Brookview

- A429 realignment work including technical backfill.
- Drainage and earthworks.

Kenilworth Road Overbridge – 16 Kenilworth Road

- A429 realignment work including technical backfill.
- Drainage and earthworks.

1.1.5 Eleven (11) dust monitors are installed around these worksites, where works are underway. These sites returned a low to medium dust risk rating.

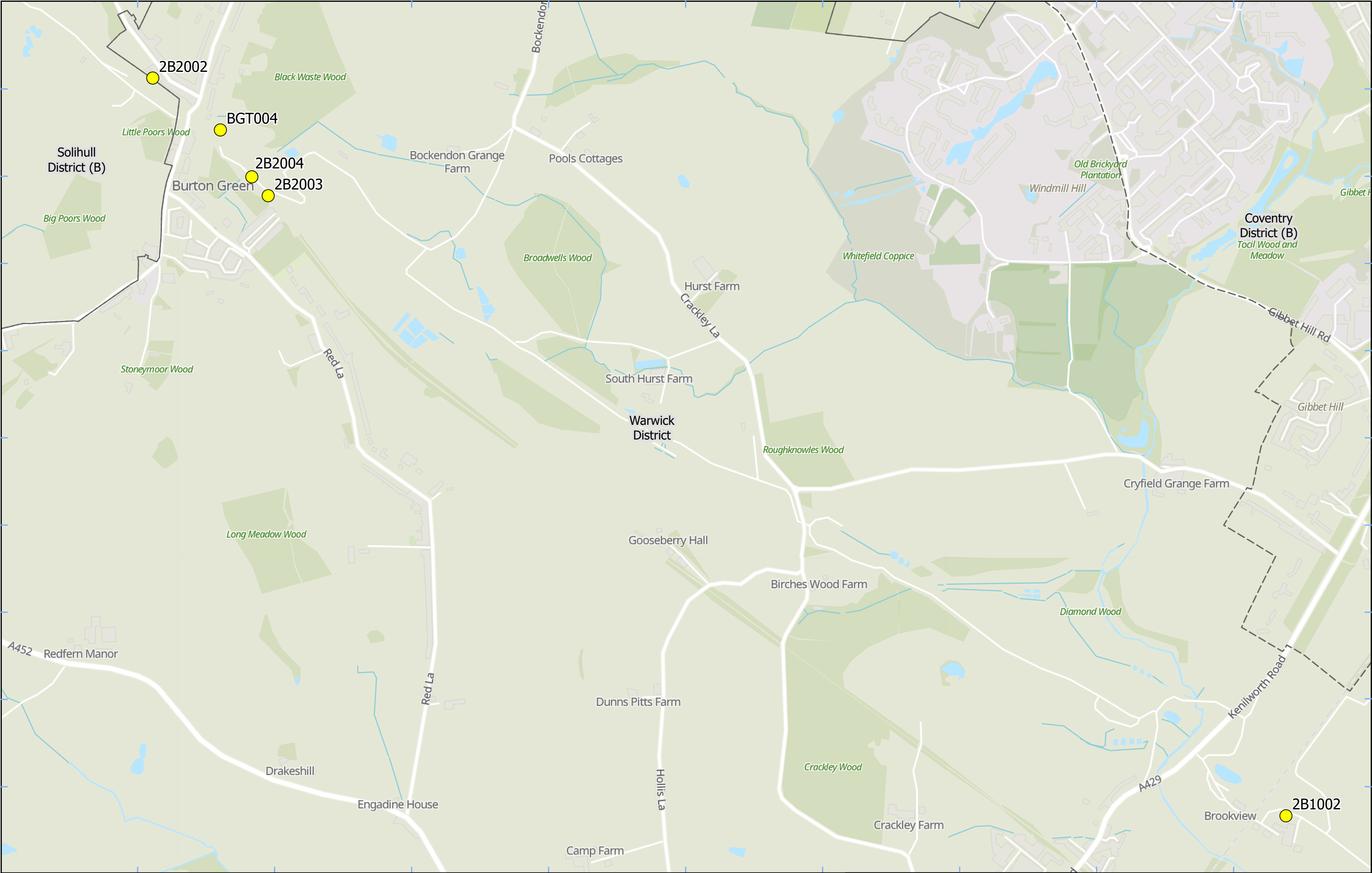
1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor, presented in Figure 4. All continuous

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 2B2003 monitor. Battery refreshes were done on 1st July 2025 and 24th July 2025. A lab calibration monitor swap out was also done on 24th July 2025. After these site visits, the power supply issues were resolved.
- 1.1.10 There were no (0) complaints received during the reporting period (July 2025).

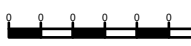
Appendix A – Worksites and Monitoring Locations

Figures 1-3: Worksites and Monitoring Locations within WDC



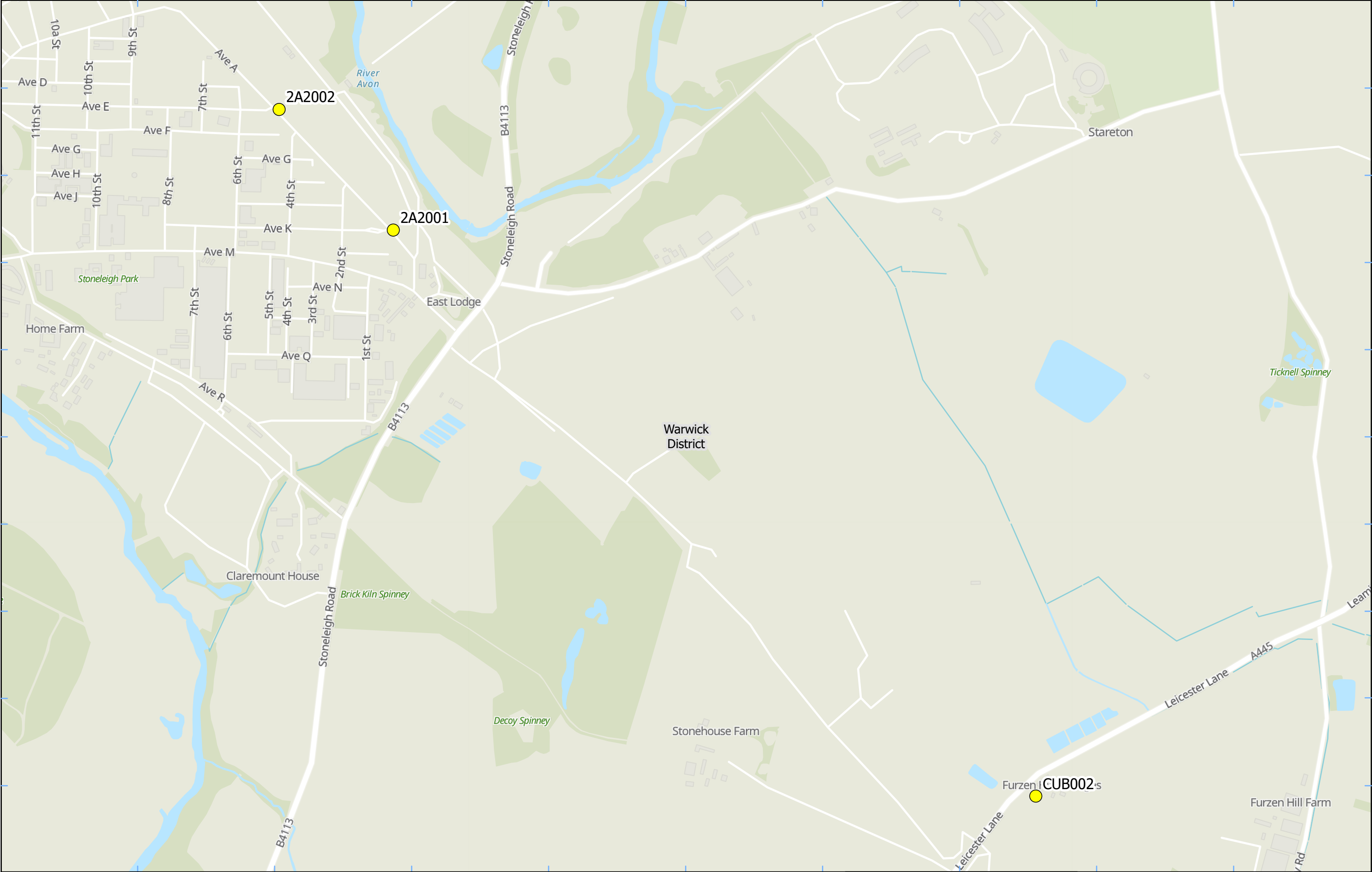
Legend  Dust Monitor  District Borough Unitary Boundaries Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025 Contains data from OS Zoomstack	Map Number	 HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map 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 2025. Ordnance Survey Licence Number 100049190. Doc Number:
	Map Name	
	Monitoring Locations In WDC (Sheet 1) Warwick District Council	

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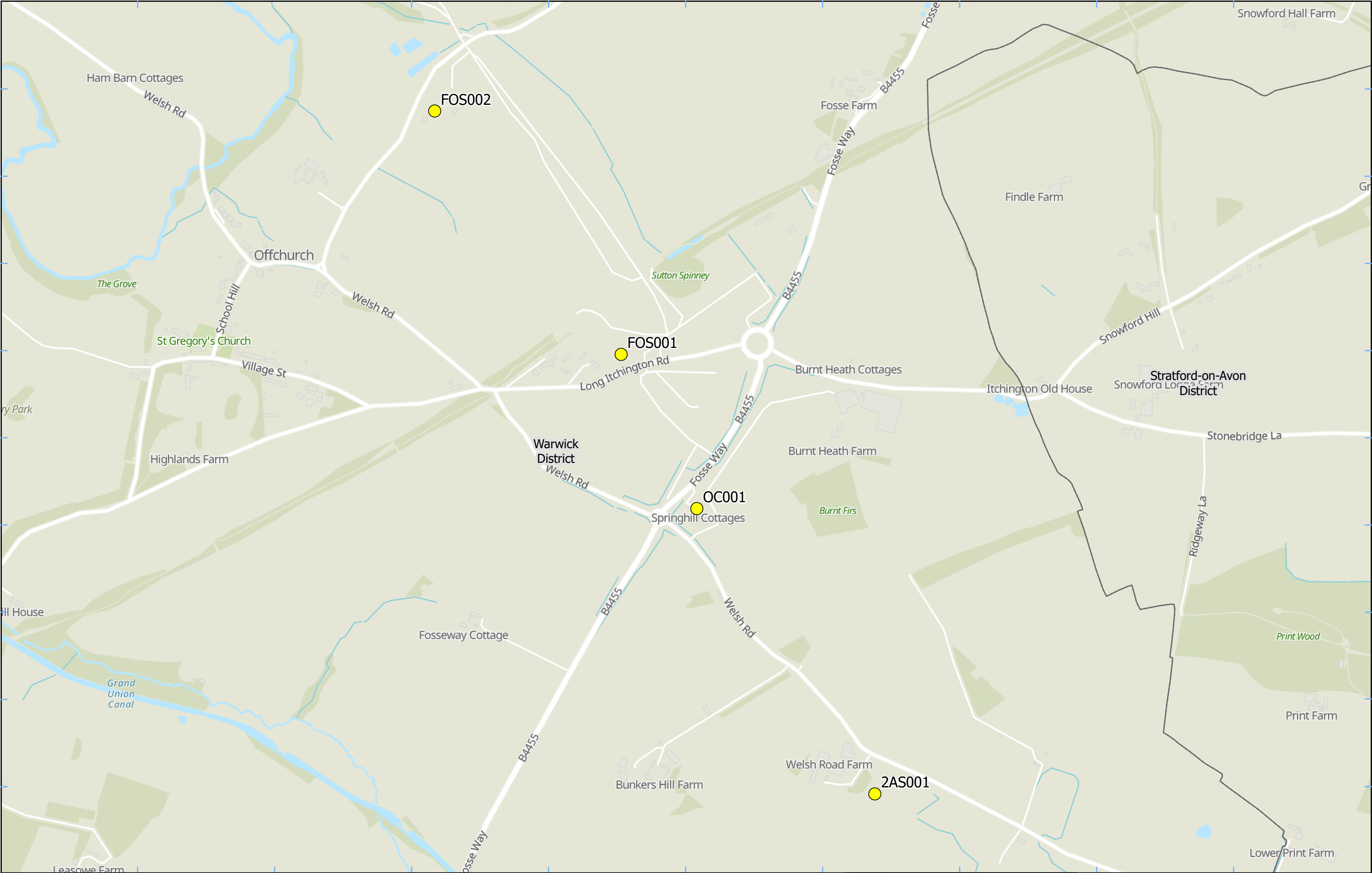


Metres

Date: 02/04/25



Legend Dust Monitor District Borough Unitary Boundaries Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025 Contains data from OS Zoomstack	Map Number	hs2 Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA. © Crown copyright and database rights 2025. Ordnance Survey Licence Number 100049190. Doc Number: Date: 02/04/25
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Legend

Dust Monitor

District Borough Unitary Boundaries

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Map Number

Map Name

**Monitoring Locations
In WDC (Sheet 3)**

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Metres

Date: 26/09/24

Appendix B – Dust Monitoring Results

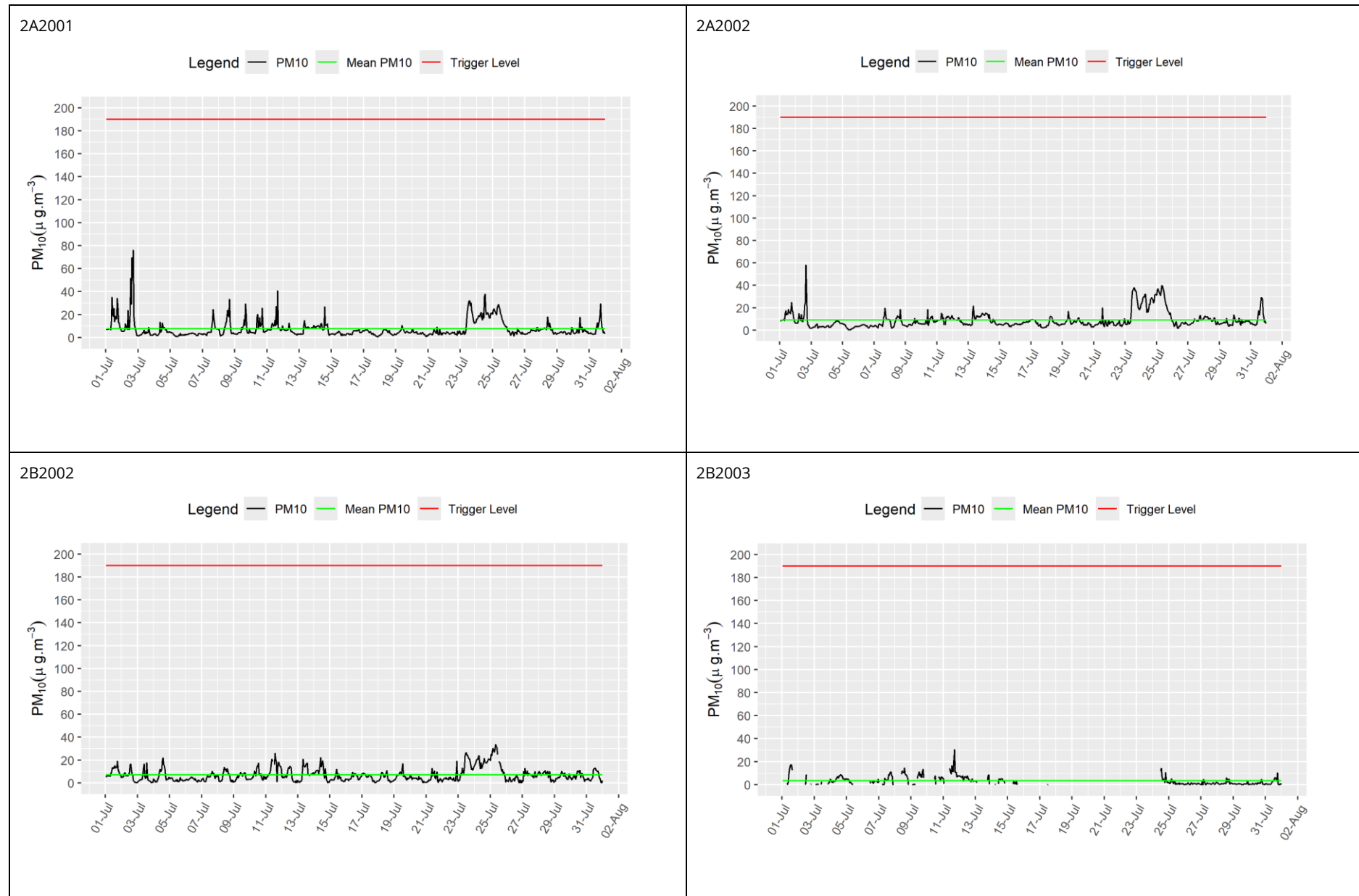
Table 1: Dust Monitoring Locations and Results

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 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 (%)
2A2001	432797, 271427	East Lodge, Stoneleigh Park	M	Yes	No	7.6	0.7	76.0	0	100.0
2A2002	432566, 271671	East Lodge, Stoneleigh Park	M	Yes	No	9.0	0.3	58.2	0	99.9
2B2002	426768, 276023	Sublot 2B2, at nearest sensitive receptor on Hodgetts Lane	M	Yes	No	7.0	0.1	33.5	0	99.7
2B2003	427135, 275649	Sublot 2B2, at Broadwell Woods Caravan Park	M	Yes	No	3.4	0.1	30.5	0	52.3
2B1002	430371, 273678	Sublot 2B1, at Brookview Farm, Millburn Grange	M	Yes	No	5.3	0.1	48.4	0	100.0
2AS001	437578, 264581	Sublot 2AS, at Welsh Road Farm	M	Yes	No	7.3	0.6	56.1	0	100.0
OC001	437205, 265256	Springhill Cottages, Offchurch Cutting	M	Yes	No	6.1	0.2	46.5	0	100.0
CUB002	434097, 270282	Sublot 2A2, at Furzon Hill Cottages	L	Yes	No	6.9	0.9	78.4	0	100.0
FOS001	436912, 265643	Fosse Way Compound, on Long Itchington Road	M	Yes	No	6.3	0.3	50.8	0	100.0
FOS002	436506, 266235	Valley Fields, Fosse Way Main	L	Yes	No	6.9	0.4	35.7	0	100.0
BGT004	426983, 275858	301 Cromwell Lane, Burton Green	M	Yes	No	9.9	0.6	289.2	1	100.0

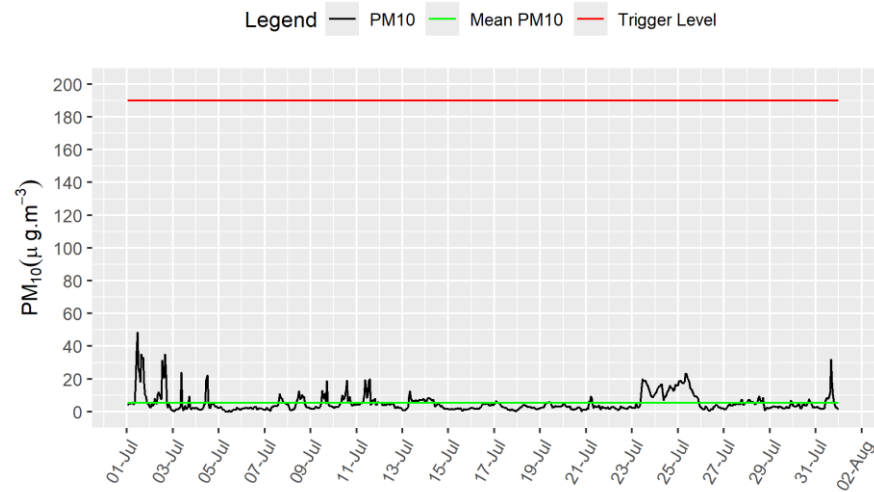
Table 2: Summary of exceedances during period (July 2025)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
BGT004	25/07/2025: 11:01 - 12:00; 289.2 µg/m ³	No relevant site activities occurring near the monitor at the time of the exceedance, so it is not thought to be associated with current HS2 construction works.	N/A

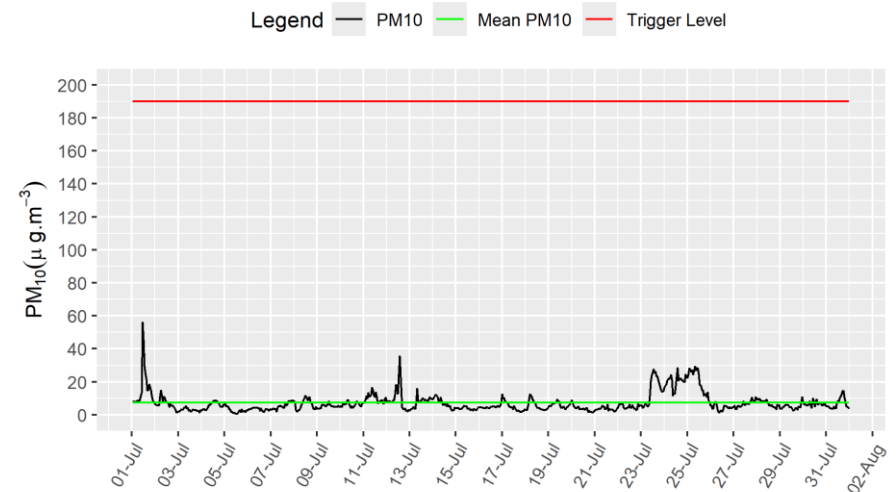
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



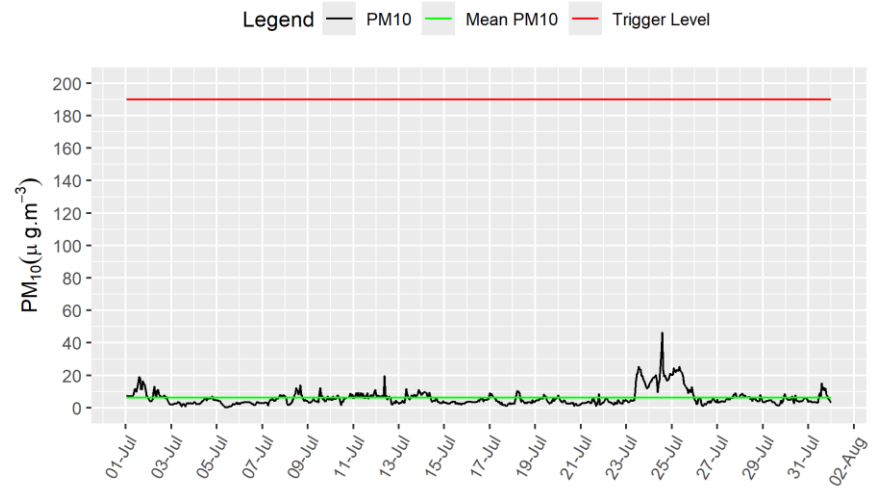
2B1002



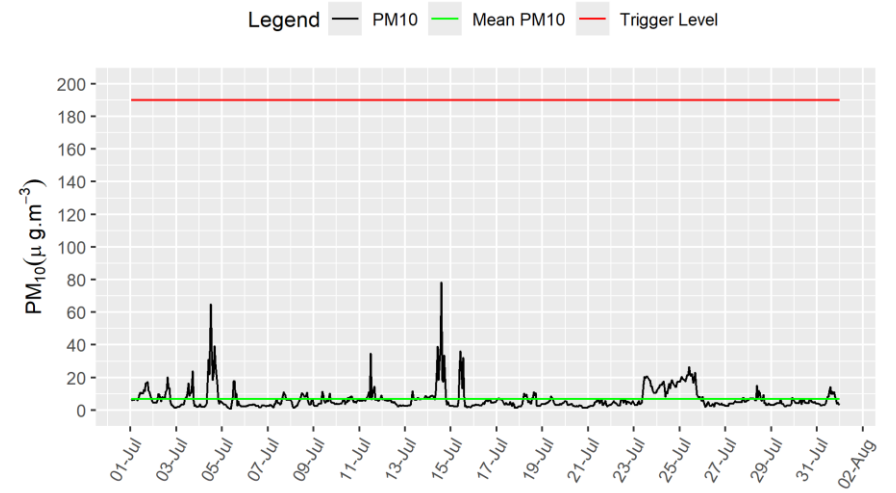
2AS001



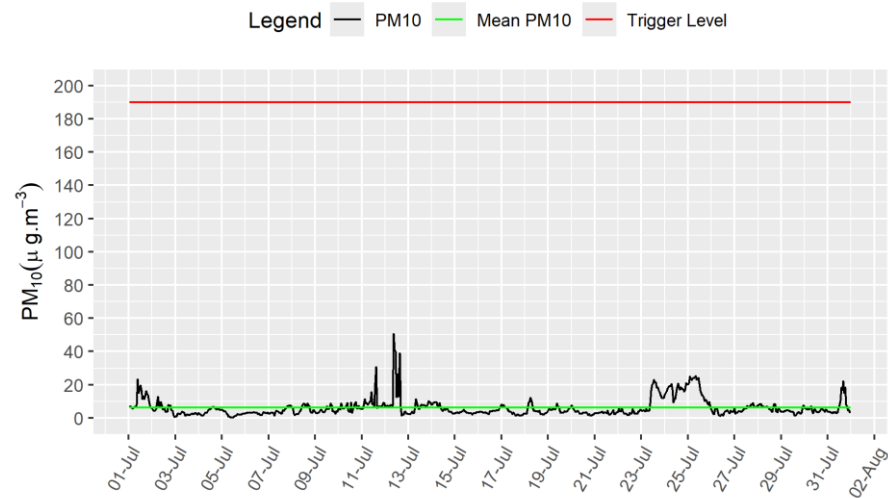
OC001



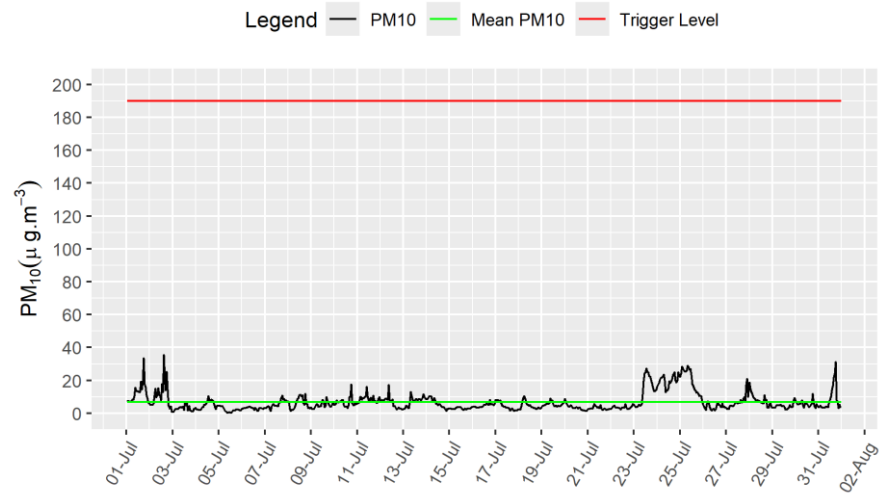
CUB002



FOS001



FOS002



BGT004

