

Air Quality and Dust Monitoring Monthly Report – August 2025

Warwick District Council



Department for Transport

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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 August 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

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

Cubbington Compound Worksite

- Installation of Gabion baskets.
- Leicester Lane works:
- Vegetation clearances.
- River Learn works.
- Steel reinforcement installation.
- Coventry Road works:
- Reinforcement works.
- Installation of formwork.

Burton Green Tunnel (Sublot 2B2)

- Hydrodemolition works.
- Cromwell Lane Realignment works.

Welsh Road Underbridge Satellite Compound (Sublot 2AS)

Offchurch Cutting – Welsh Road Farm

- Earthworks movements for cutting.
- Dust suppression.
- Lime Stabilisation.

Offchurch Cutting – Valley Fields

- Installation of 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 Hunningham Road.
- Offchurch Greenway Overbridge Beam water proofing.
- Hunningham Road: Vegetation clearance.
- Hunningham Road: duct installation for Utility British Telecoms diversion along road verge.
- Earthworks movements for cutting.
- Dust suppression.
- Haul Road maintenance.

Offchurch Cutting – Brickyard Cottage

- Deliveries and transport between sites.
- Adhoc landscaping.

A429 Kenilworth Road Overbridge (Sublot 2B1)

Kenilworth Road Overbridge – Millburn Grange

- Mainline cut to Dig & Replace (D&R) fill Lavender Hall Embankment.
- Mainline cut to D&R fill Waste Lane Embankment.
- Mainline cut to UEF Lavender Hall Embankment.

Kenilworth Road Overbridge - Brookview

- Mainline cut to Kenilworth Landscape Fill.
- Mainline cut to Upper Embankment Fill (UEF) Lavender Hall Embankment.

Kenilworth Road Overbridge – 16 Kenilworth Road

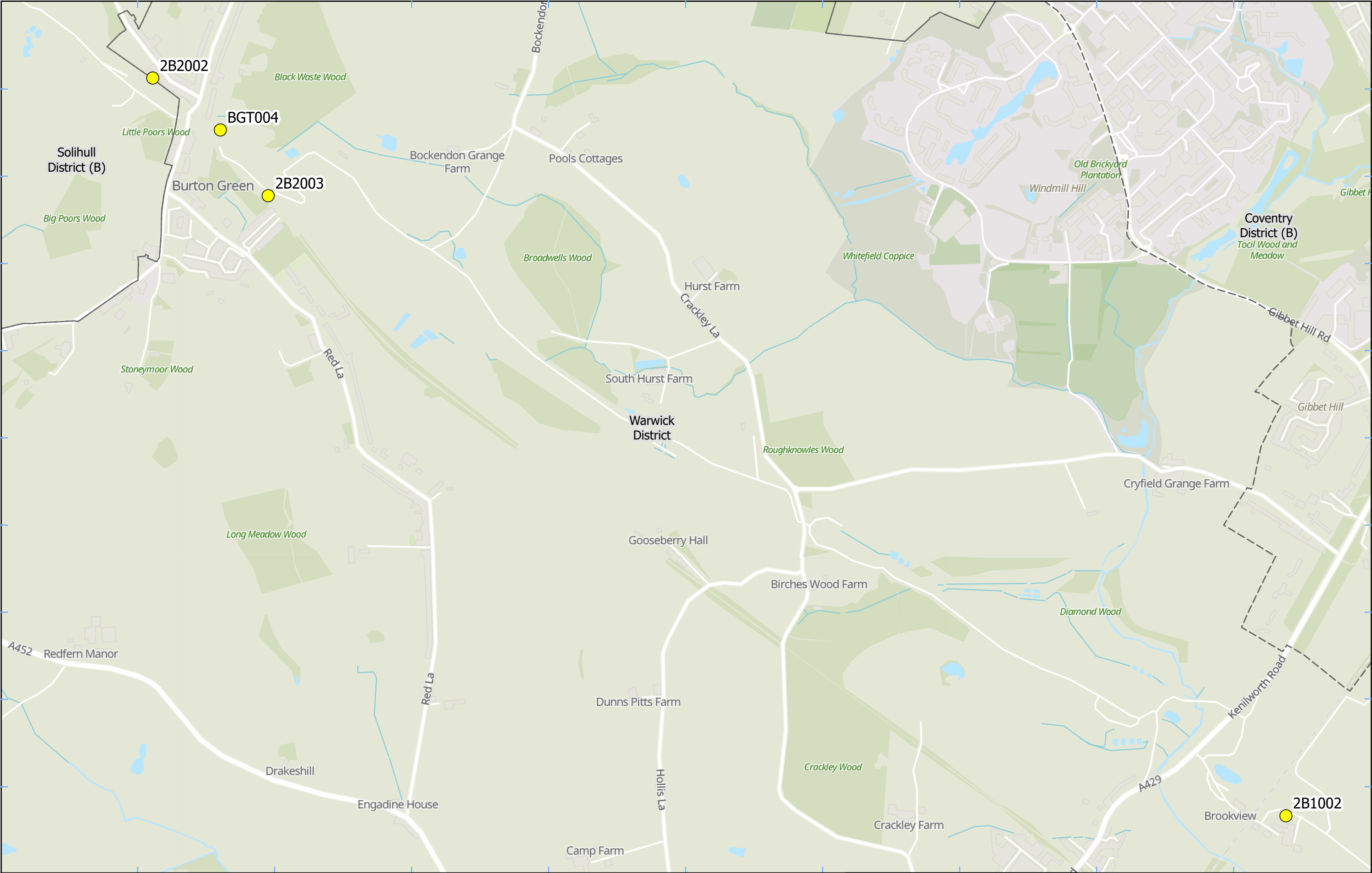
- Mainline cut phase 2 export to sublot 2B3.
- Crackley wood water course realignment - Placing Rip Rap.
- Crackley wood water course realignment - Placing geotextile and Riprap.
- Crackley wood water course realignment - Placing Subsoil.
- Badger sett Topsoil strip/subsoil excavation.
- Crackley wood water course realignment - Badger sett cut to formation.
- Crackley wood water course realignment - Placing Subsoil.
- Crackley wood water course realignment - Placing Erosion control matting.
- Crackley wood water course realignment - Placing Alluvial Material.

- Crackley wood water course realignment - Placing Alluvial Gravel.
- Crackley wood water course realignment - Placing Alluvial Beams.
- Crackley wood water course realignment - Badger sett placing gravel berms.
- Crackley wood water course realignment - Placing Riprap.
- Crackley wood water course realignment - Remove Dam.

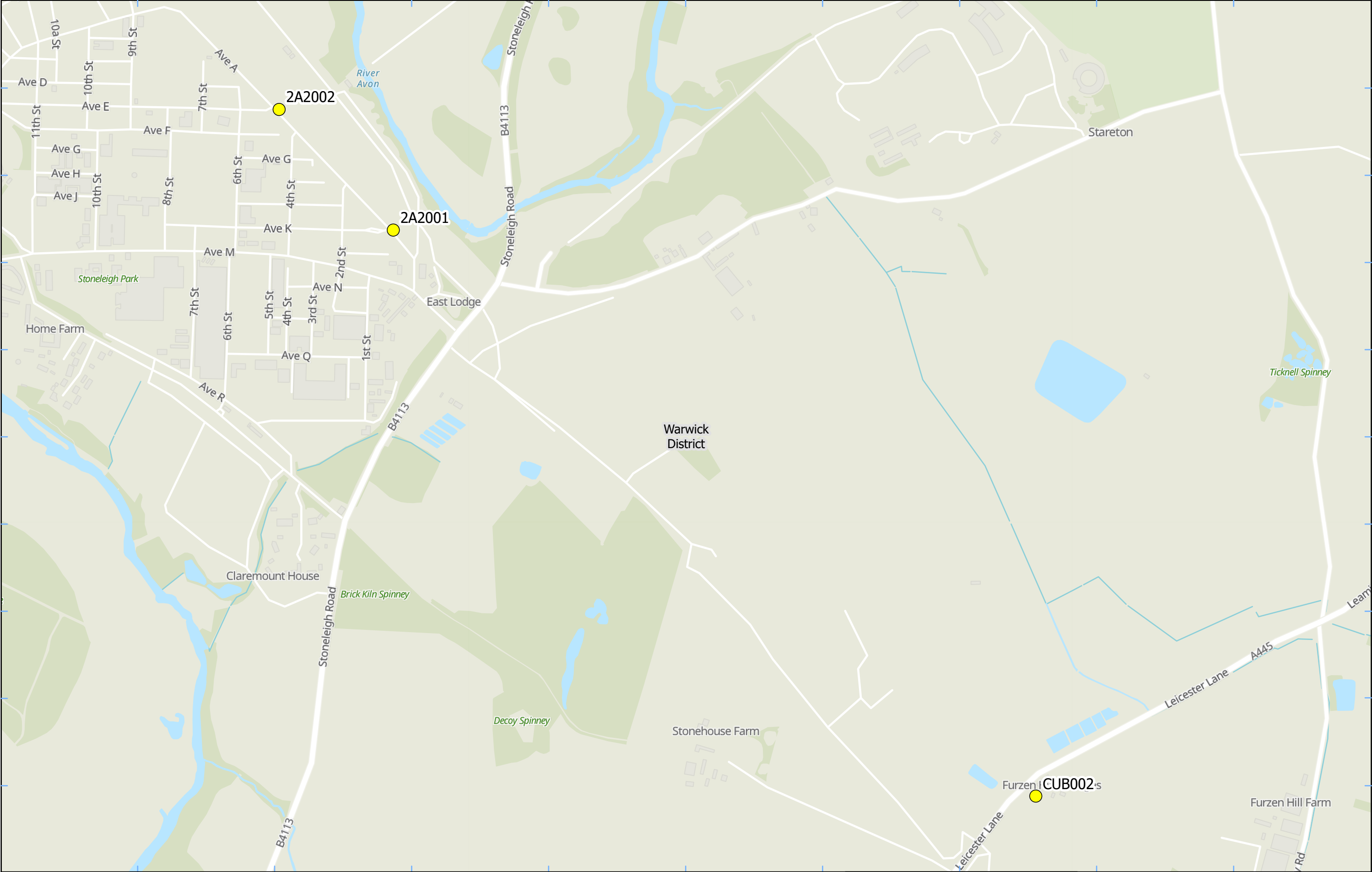
- 1.1.5 Eleven (11) dust monitors are installed around these worksites, where works are underway. These sites returned a low to medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor, 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 There were no (0) complaints received during the reporting period (August 2025).

Appendix A – Worksites and Monitoring Locations

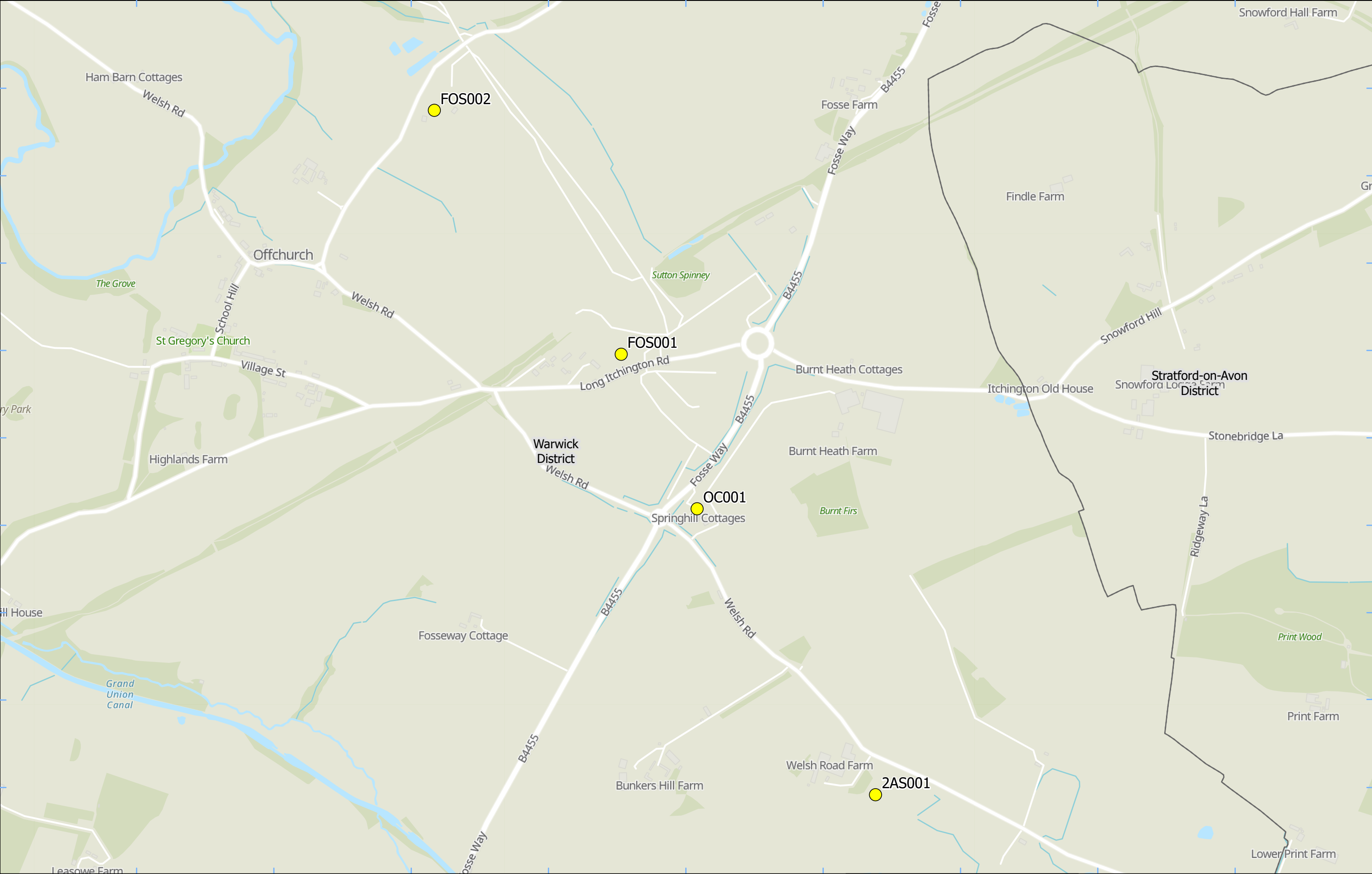
Figures 1-3: Worksites and Monitoring Locations within WDC



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. Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.	 Scale at A3: 1:11,000  Metres
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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)
Warwick District Council



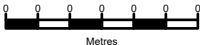
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Appendix B – Dust Monitoring Results

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 (%)
2A2001	432797, 271427	East Lodge, Stoneleigh Park	M	Yes	No	6.6	0.7	31.0	0	96.0
2A2002	432566, 271671	East Lodge, Stoneleigh Park	M	Yes	No	5.7	0.1	40.7	0	99.9
2B2002	426768, 276023	Sublot 2B2, at nearest sensitive receptor on Hodgetts Lane	M	Yes	No	7.1	0.1	27.2	0	99.5
2B2003	427135, 275649	Sublot 2B2, at Broadwell Woods Caravan Park	M	Yes	No	1.7	0.1	19.2	0	99.1
2B1002	430371, 273678	Sublot 2B1, at Brookview Farm, Millburn Grange	M	Yes	No	6.0	0.1	105.5	0	99.6
2AS001	437578, 264581	Sublot 2AS, at Welsh Road Farm	M	Yes	No	7.6	0.1	37.4	0	100.0
OC001	437205, 265256	Springhill Cottages, Offchurch Cutting	M	Yes	No	5.8	0.1	23.5	0	100.0
CUB002	434097, 270282	Sublot 2A2, at Furzon Hill Cottages	L	Yes	No	7.5	0.1	63.2	0	99.9
FOS001	436912, 265643	Fosse Way Compound, on Long Itchington Road	M	Yes	No	6.7	0.1	34.7	0	100.0
FOS002	436506, 266235	Valley Fields, Fosse Way Main	L	Yes	No	8.1	0.1	411.7	1	100.0
BGT004	426983, 275858	301 Cromwell Lane, Burton Green	M	Yes	No	9.1	0.7	50.2	0	100.0

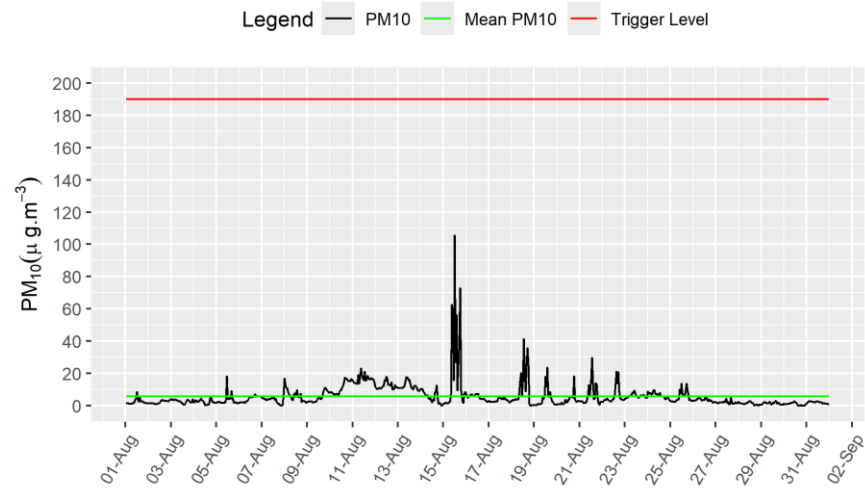
Table 2: Summary of exceedances during period (August 2025)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
FOS002	07/08/25: 15:01 - 16:00; 411.7 $\mu\text{g m}^{-3}$	Caused by a large amount of earthwork activity and vehicle movements.	The earthworks foreman is to brief site personnel and to ensure dust suppression is a priority with the amount of earthwork movements in the area.

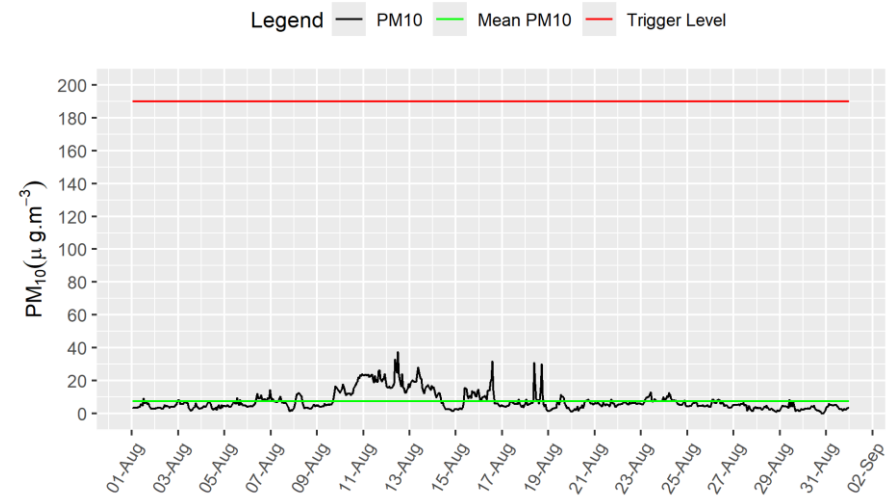
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



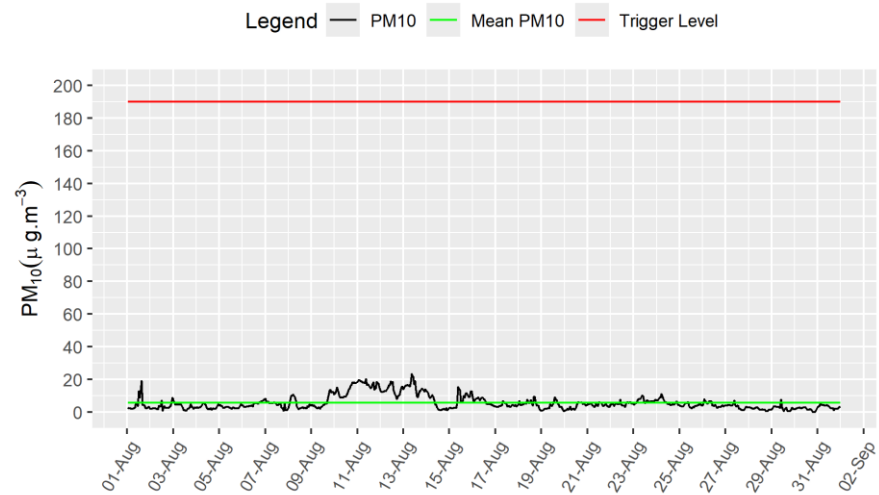
2B1002



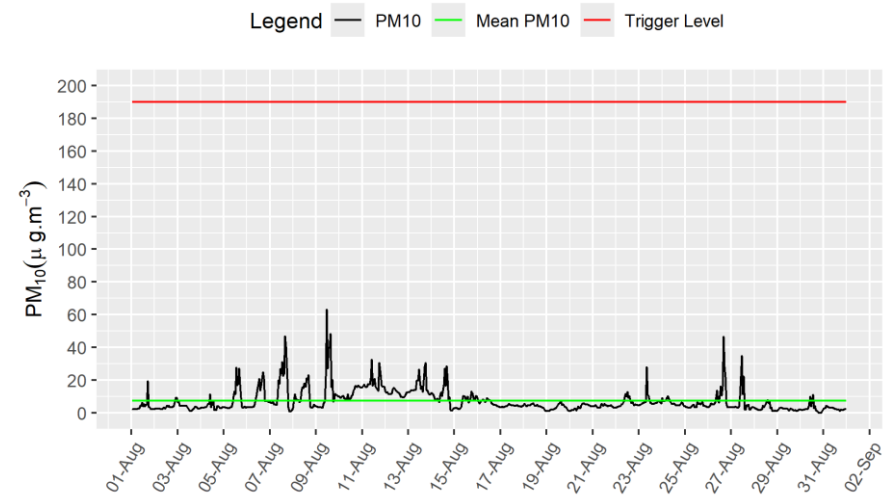
2AS001



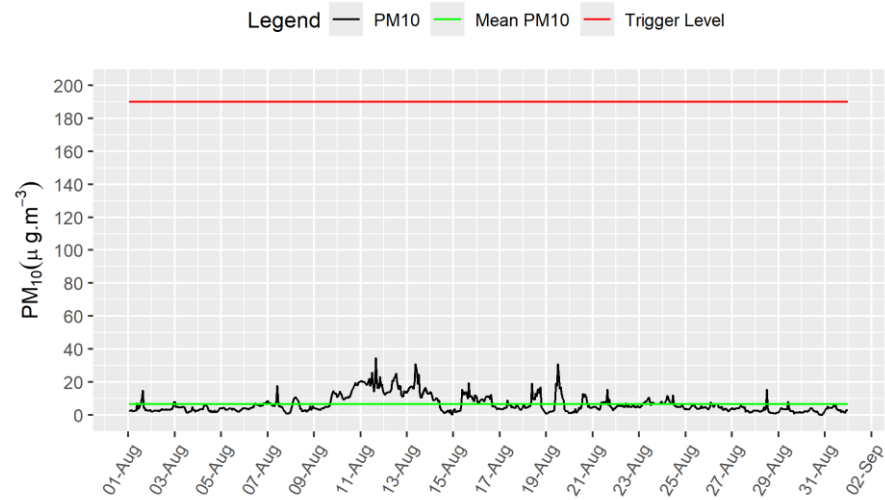
OC001



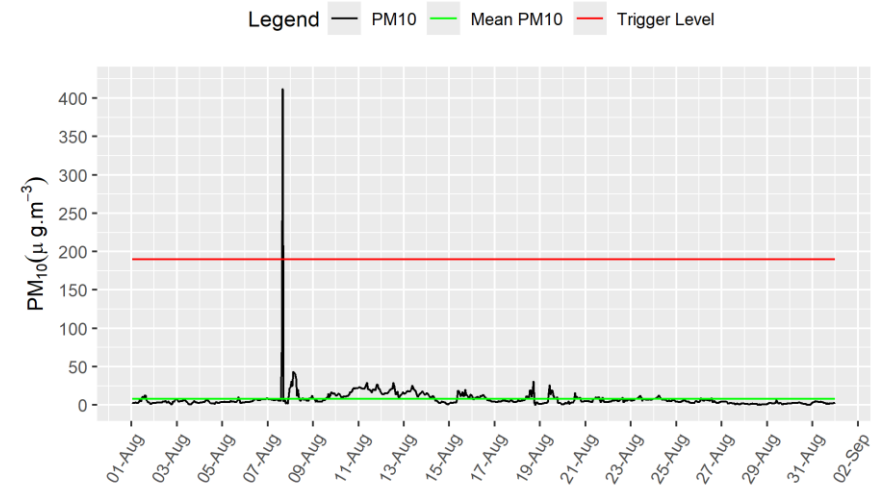
CUB002



FOS001



FOS002



BGT004

