

Air Quality and Dust Monitoring Monthly Report – June 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 June 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

- River Leam: Drainage team on AB0 and concrete surrounding the work and on AB5 changing the pipe between manhole and headwall (completed on 27th June 2025).
- Pier 4 scabbling works to the top of the pier.
- Pier 3 protection screed to pile cap on 24th June 2025.
- Trial installation of beam jacking system 5.
- Installing access stairs system to pier 4.
- Earthworks on AB5 and Backfilling activities.
- Coventry Road: Kerb installation on pier 1 and pier 2.

Burton Green Tunnel (Sublot 2B2)

- Filling in concrete pour for Burton Green tunnel slab.
- Fixing and installation of shutters.

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 W129 footbridge.
- Backfill and testing works to new sewer (Severn Trent) north of Hunningham Road.
- Offchurch Greenway Overbridge Beam waterproofing.
- Hunningham Road – Vegetation Clearance.
- Hunningham Road – Duct installation for Utility British Telecoms (BT) 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

- Backfilling activities ongoing and installation of flywall on deck.
- Millburn Grange Overbridge and Kenilworth south landscape fill.

Kenilworth Road Overbridge - Brookview

- A429 realignment work including technical backfill, drainage and earthworks

Kenilworth Road Overbridge – 16 Kenilworth Road

- Kenilworth South – Landscape Fill East shoulder.
- Mainline cut to stockpile for dig and replace.
- Canley Brook Watercourse Realignment – Place Bedding material.
- Canley Brook Watercourse Realignment – Placing Gravel Berms.

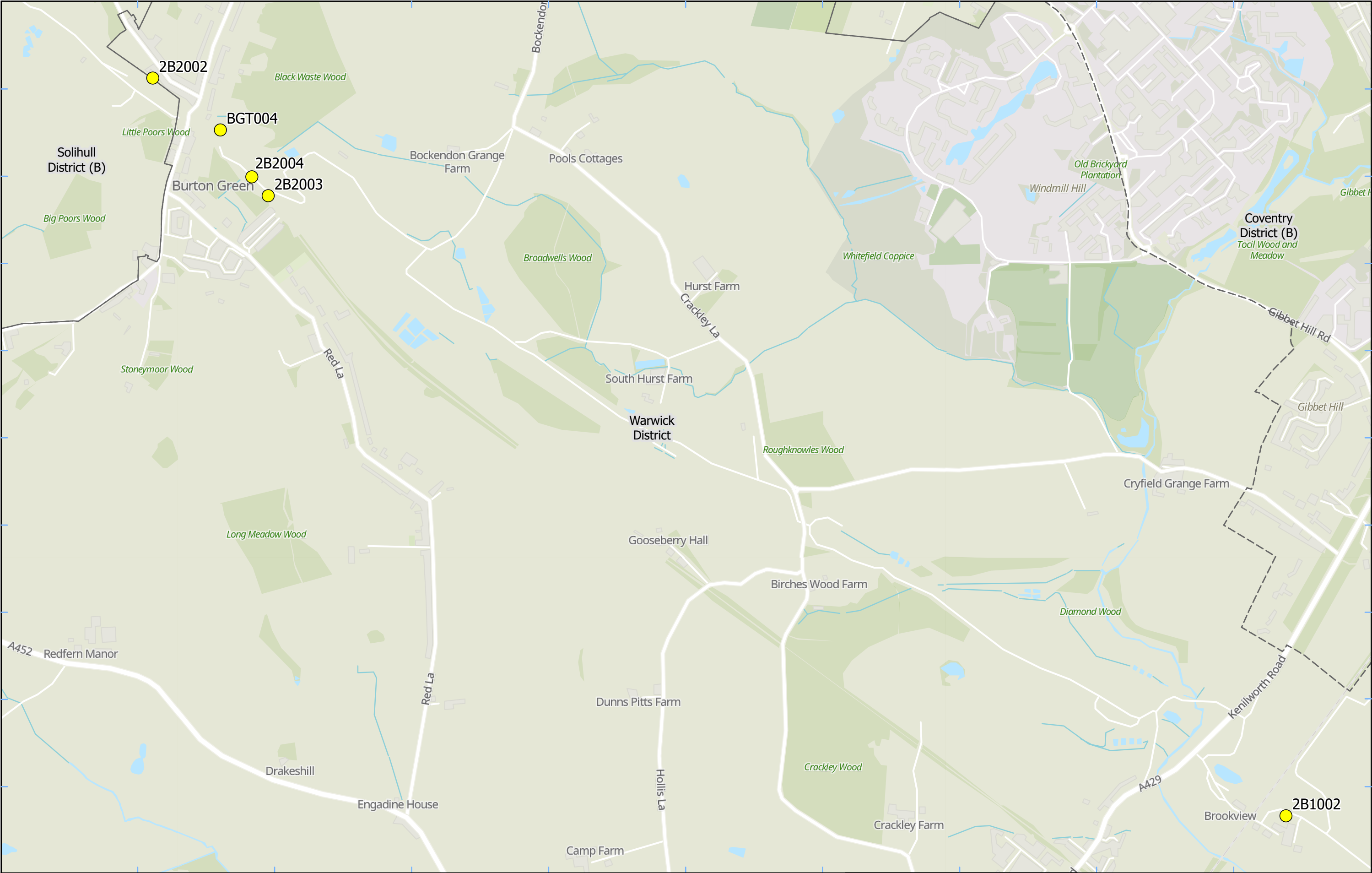
- 1.1.5 Eleven (11) dust monitors are installed around these worksites, where works are underway. These sites returned a low to medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 2, together with line charts of monthly data from each dust monitor, 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 No (0) dust trigger alerts were recorded during the monitoring period (June 2025).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor 2B2003 – A field calibration was done on 9th June 2025, and battery refreshes were done on 17th June 2025 (alongside a fault investigation site visit) and 1st July 2025. A lab calibration monitor swap out is scheduled for 22nd July 2025.
 - Monitor FOS001 – A fault investigation site visit was done on 23rd June 2025, and a lab calibration monitor swap out was done on 1st July 2025. After these site visits, the technical issues were resolved.
- 1.1.10 Table 1 provides a summary of the complaint information relating to dust or air quality received during the reporting period, together with the findings of any related investigations.

Table 1: Summary of complaints received during June 2025

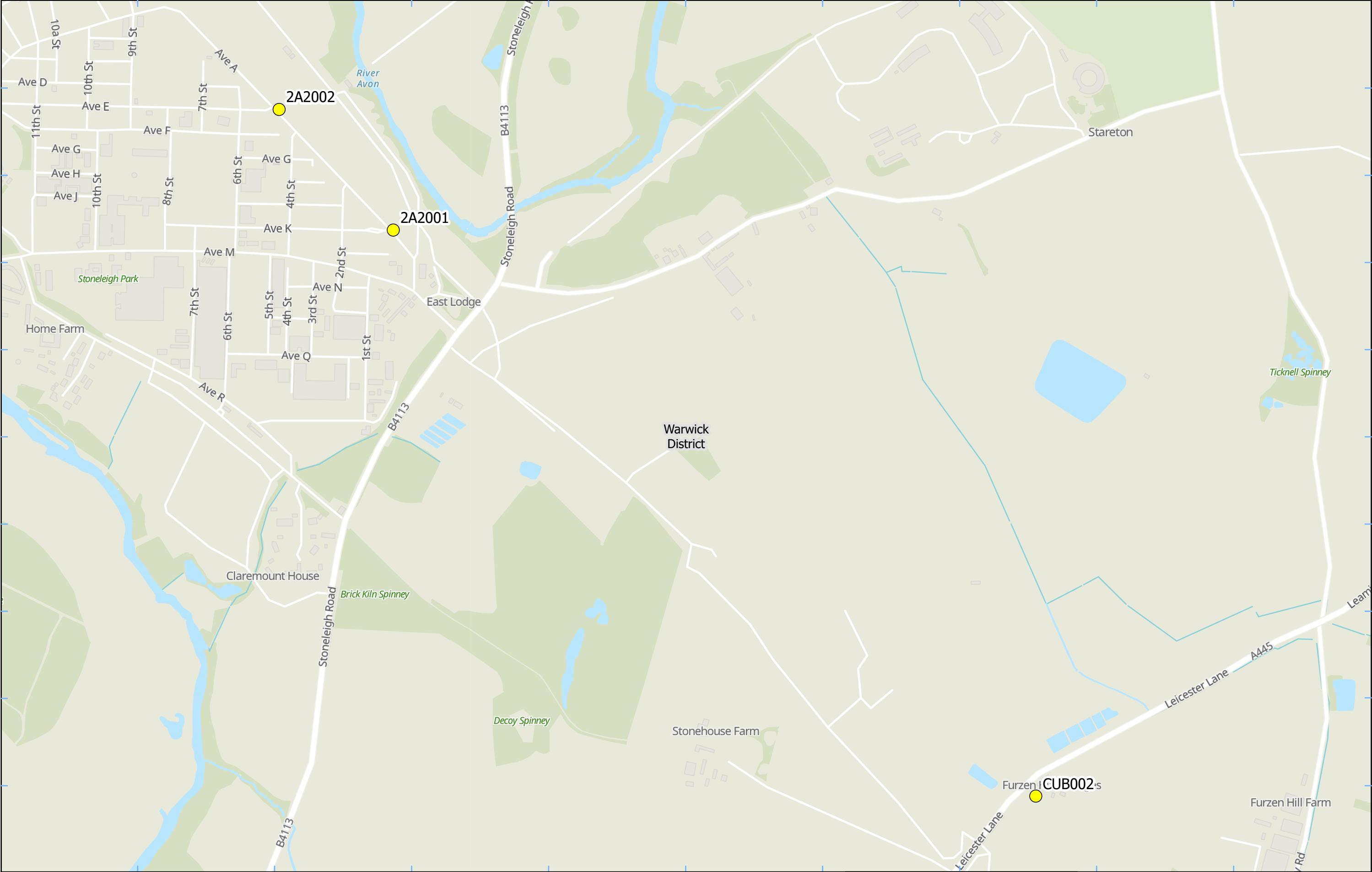
Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-25-46521-C	N/A	Personnel property impacted by dust.	Still under investigation at the time of running report.

Appendix A – Worksites and Monitoring Locations

Figures 1-3: Worksites and Monitoring Locations within WDC



Legend Dust Monitor District Borough Unitary Boundaries	Map Number	 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.	 Scale at A3: 1:11,000 Metres Date: 02/04/25
	Map Name		
	Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025 Contains data from OS Zoomstack	Monitoring Locations In WDC (Sheet 1)	
Warwick District Council			



Legend

 Dust Monitor

 District Borough Unitary Boundaries

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Map Number

Map Name

**Monitoring Locations
In WDC (Sheet 2)**

Warwick District Council



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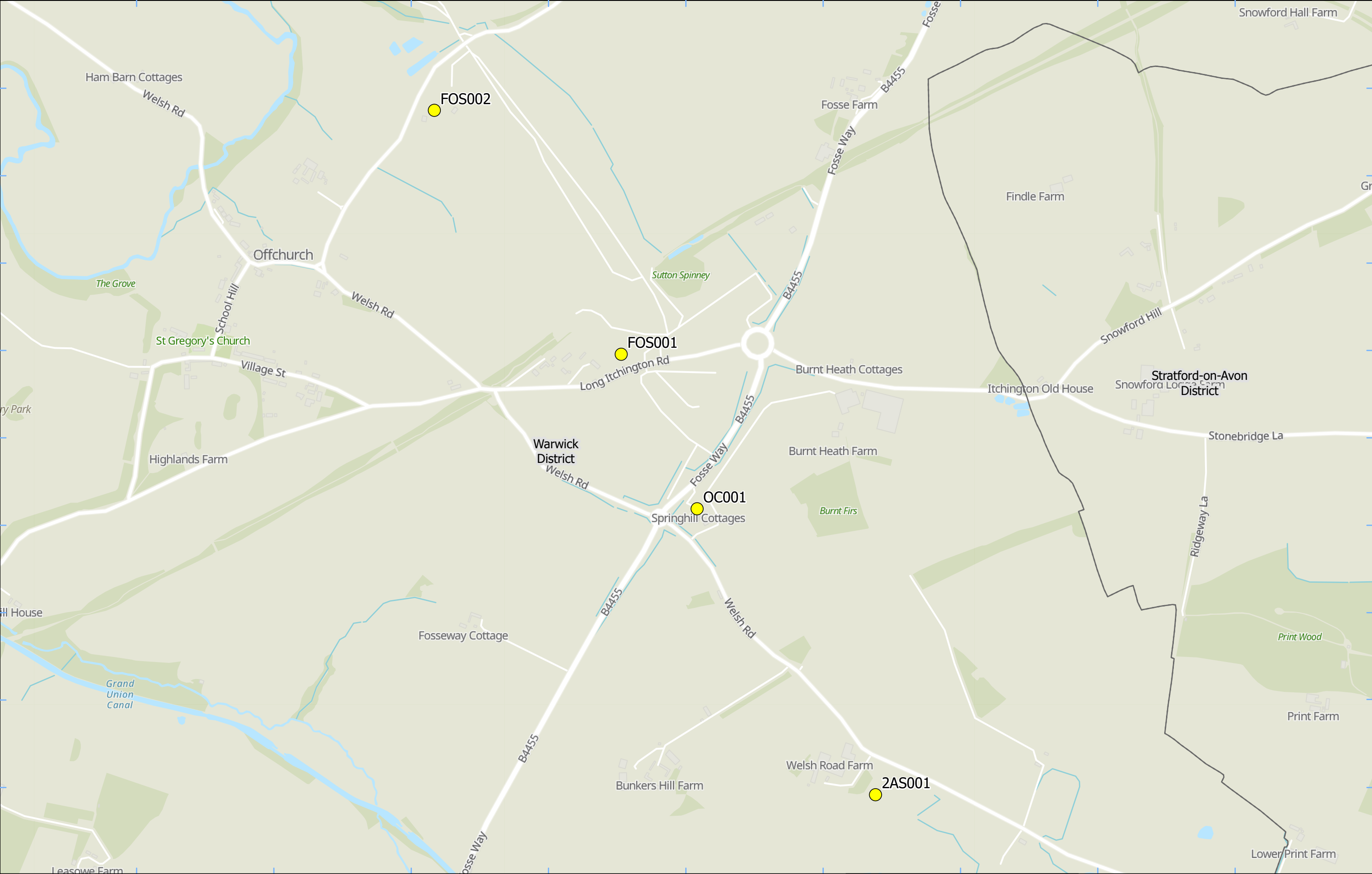


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Metres

Date: 02/04/25



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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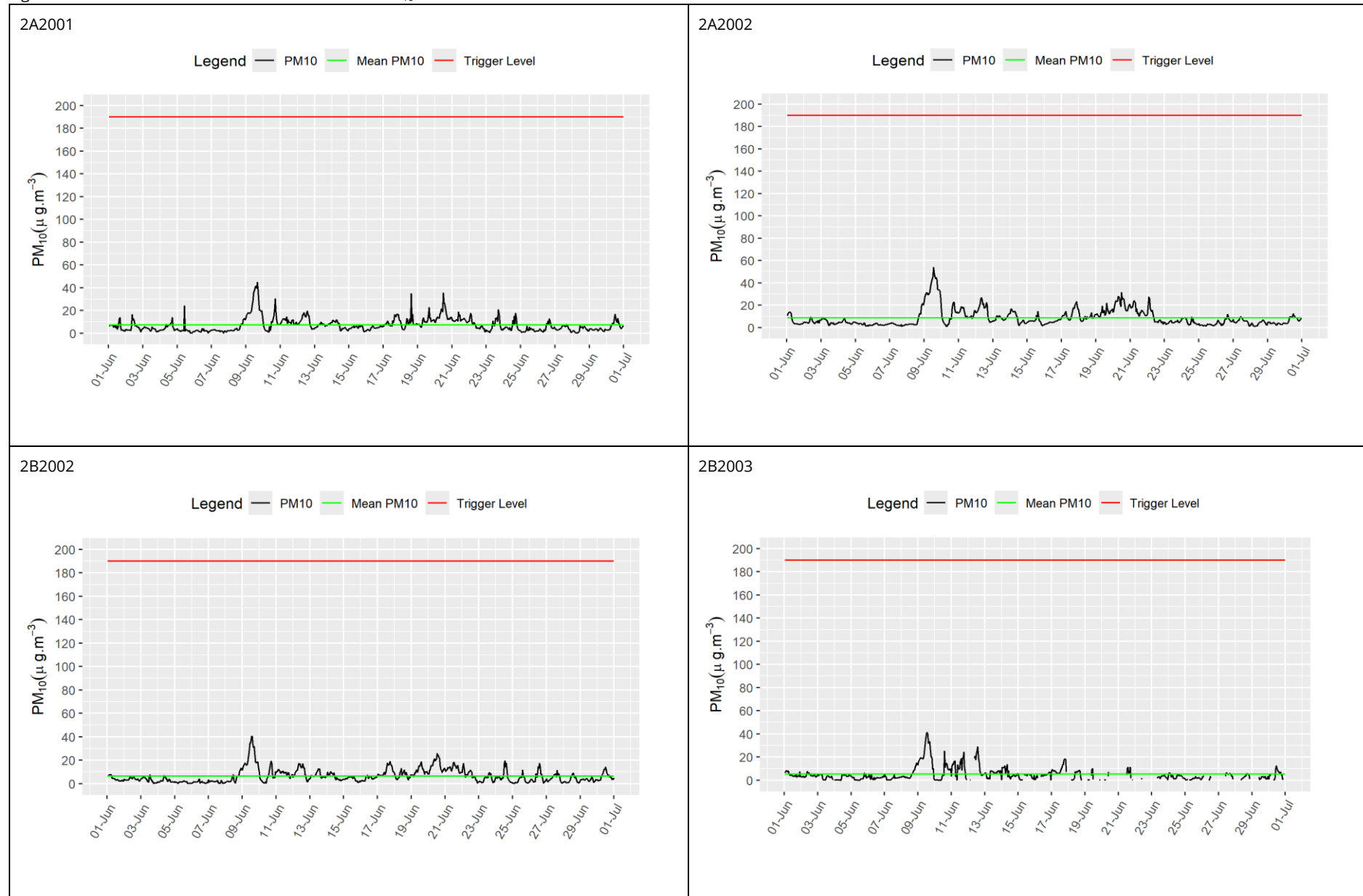
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Appendix B – Dust Monitoring Results

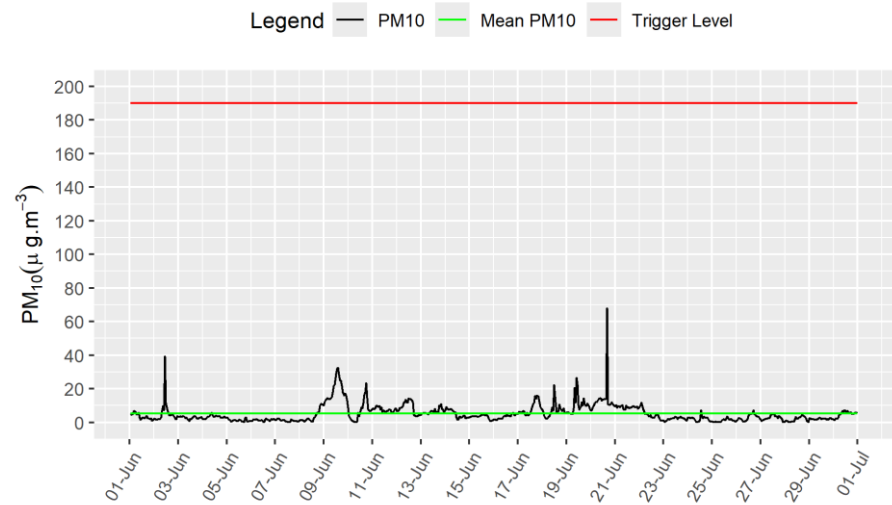
Table 2: Dust Monitoring Locations and Results

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	7.2	0.1	44.6	0	100.0
2A2002	432566, 271671	East Lodge, Stoneleigh Park	M	Yes	No	8.7	0.9	53.7	0	100.0
2B2002	426768, 276023	Sublot 2B2, at nearest sensitive receptor on Hodgetts Lane	M	Yes	No	6.5	0.1	40.5	0	99.7
2B2003	427135, 275649	Sublot 2B2, at Broadwell Woods Caravan Park	M	Yes	No	5.2	0.1	41.2	0	79.2
2B1002	430371, 273678	Sublot 2B1, at Brookview Farm, Millburn Grange	M	Yes	No	5.2	0.1	68.0	0	99.7
2AS001	437578, 264581	Sublot 2AS, at Welsh Road Farm	M	Yes	No	7.4	0.8	47.9	0	100.0
OC001	437205, 265256	Springhill Cottages, Offchurch Cutting	M	Yes	No	6.5	0.2	40.2	0	100.0
CUB002	434097, 270282	Sublot 2A2, at Furzon Hill Cottages	L	Yes	No	10.5	0.1	125.0	0	100.0
FOS001	436912, 265643	Fosse Way Compound, on Long Itchington Road	M	Yes	No	5.7	0.1	38.3	0	87.2
FOS002	436506, 266235	Valley Fields, Fosse Way Main	L	Yes	No	6.9	0.5	45.6	0	100.0
BGT004	426983, 275858	301 Cromwell Lane, Burton Green	M	Yes	No	8.3	0.1	63.6	0	100.0

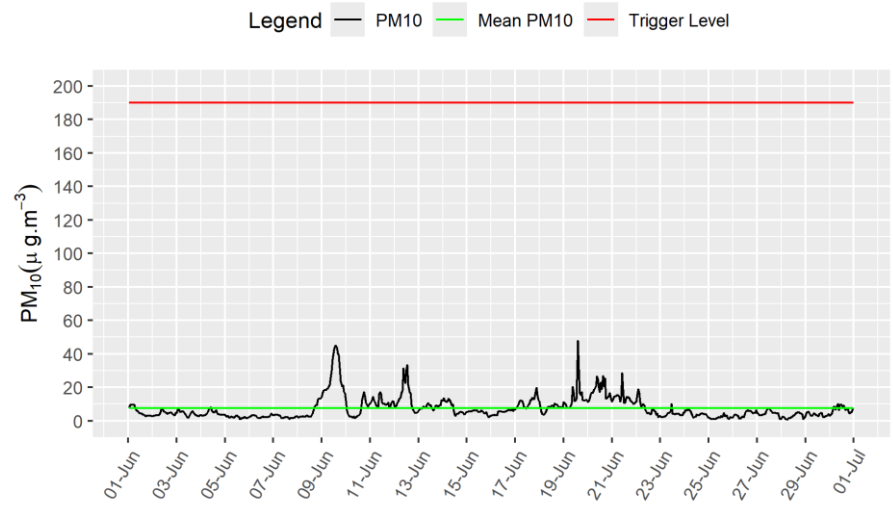
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



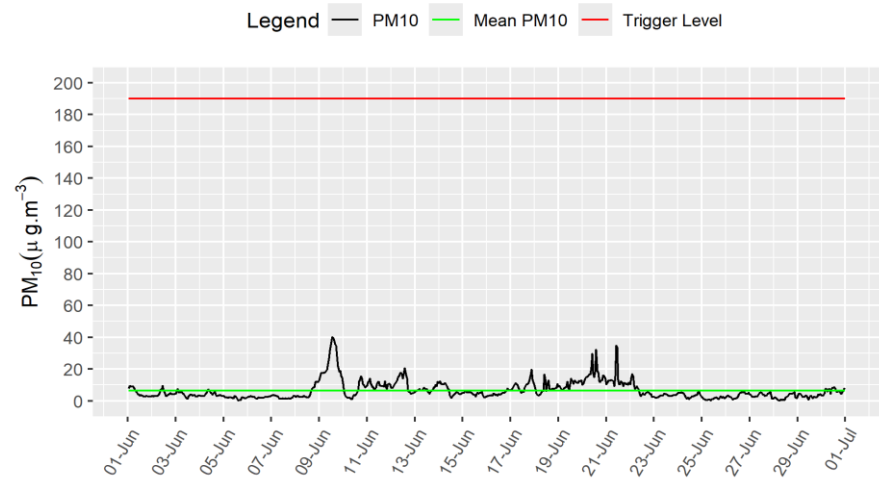
2B1002



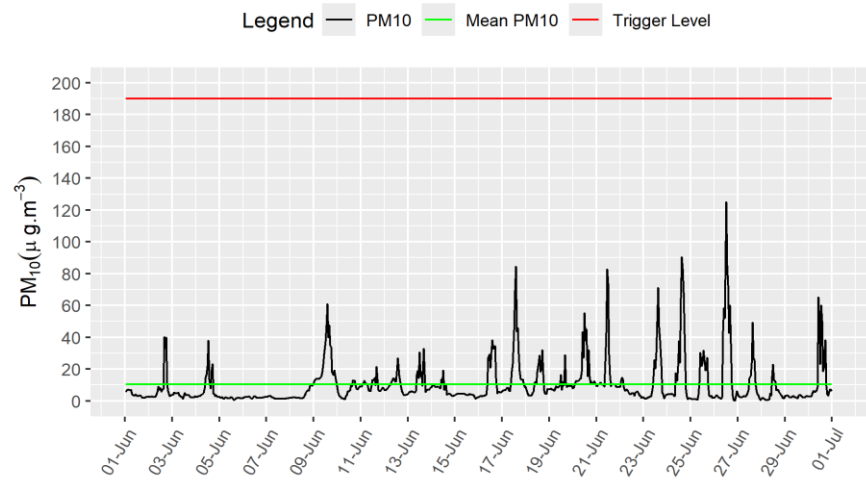
2AS001



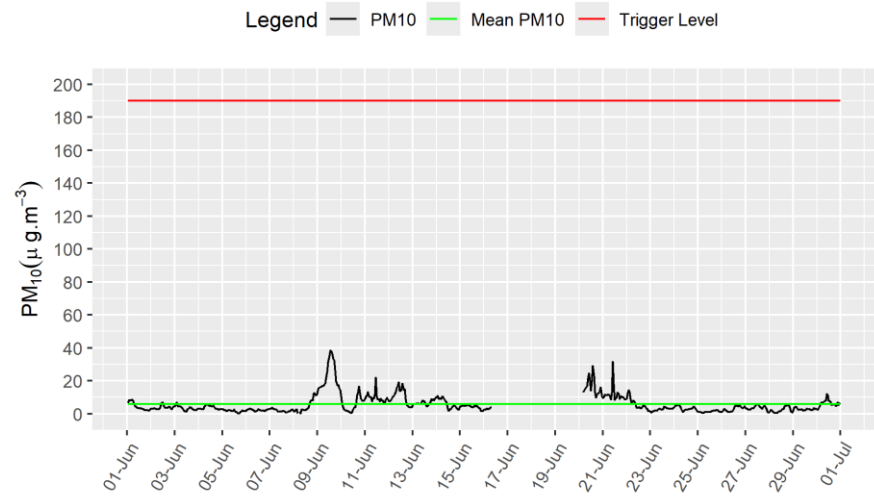
OC001



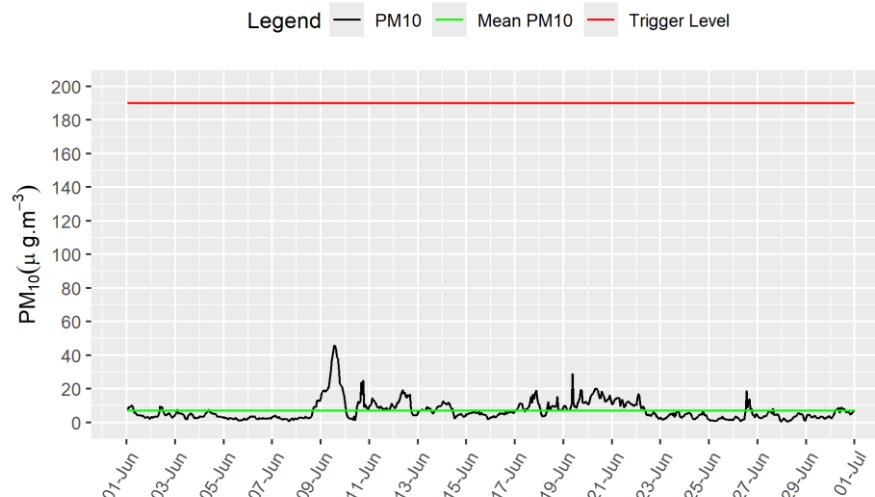
CUB002



FOS001



FOS002



BGT004

