HS2

December 2025

Air Quality and Dust Monitoring Monthly Report – December 2025

Warwick District Council

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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 December 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

- No works occurred during December 2025.

Stoneleigh Park

- Stoneleigh road realignment works.
- SB3 offline platform constructed.
- Heavy plant moving across plant crossing and haul road.
- Stoneleigh south accommodation overbridge: concrete pour, removing shutters from the concrete pour wing wall reinforcement installation.

Sublot 2B2

Burton Green Tunnel

- Burton Green Tunnel works.
- Structure works for W168.
- Track and land drainage works.

Broadwell Woods Caravan Park

- Structural work W168 Underbridge.
- Track drainage.
- Land drainage

Sublot 2AS

Offchurch Cutting – Welsh Road Farm

- No works occurred during December 2025.

Offchurch Cutting – Valley Fields

- No works occurred during December 2025.

Sublot 2B1

Kenilworth Road Overbridge – Millburn Grange

- Mainline cut and crusher work for the rock arising.
- Excavation for Canley Pumping Station.

Kenilworth Road Overbridge - Brookview

- Canley Brook Embankment dig and replace works.

Kenilworth Road Overbridge – 16 Kenilworth Road

- Canley Brook Embankment dig and replace works.

Sublot 2A3

Kingswood Farmhouse

- Maintenance of haul roads.
- Earthworks.
- Construction of glasshouse wood cutting

A46 Barns

- Maintenance of haul roads.
- Earthworks.
- Construction of glasshouse wood cutting.

Four Winds

- Hydro-demolition of the abutment at Dalehouse Lane Overbridge due to failed concrete pour.
- Road sweepers.

1.1.5 Twelve (12) 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 PM_{10} concentrations of 190 µg/m^3, 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.

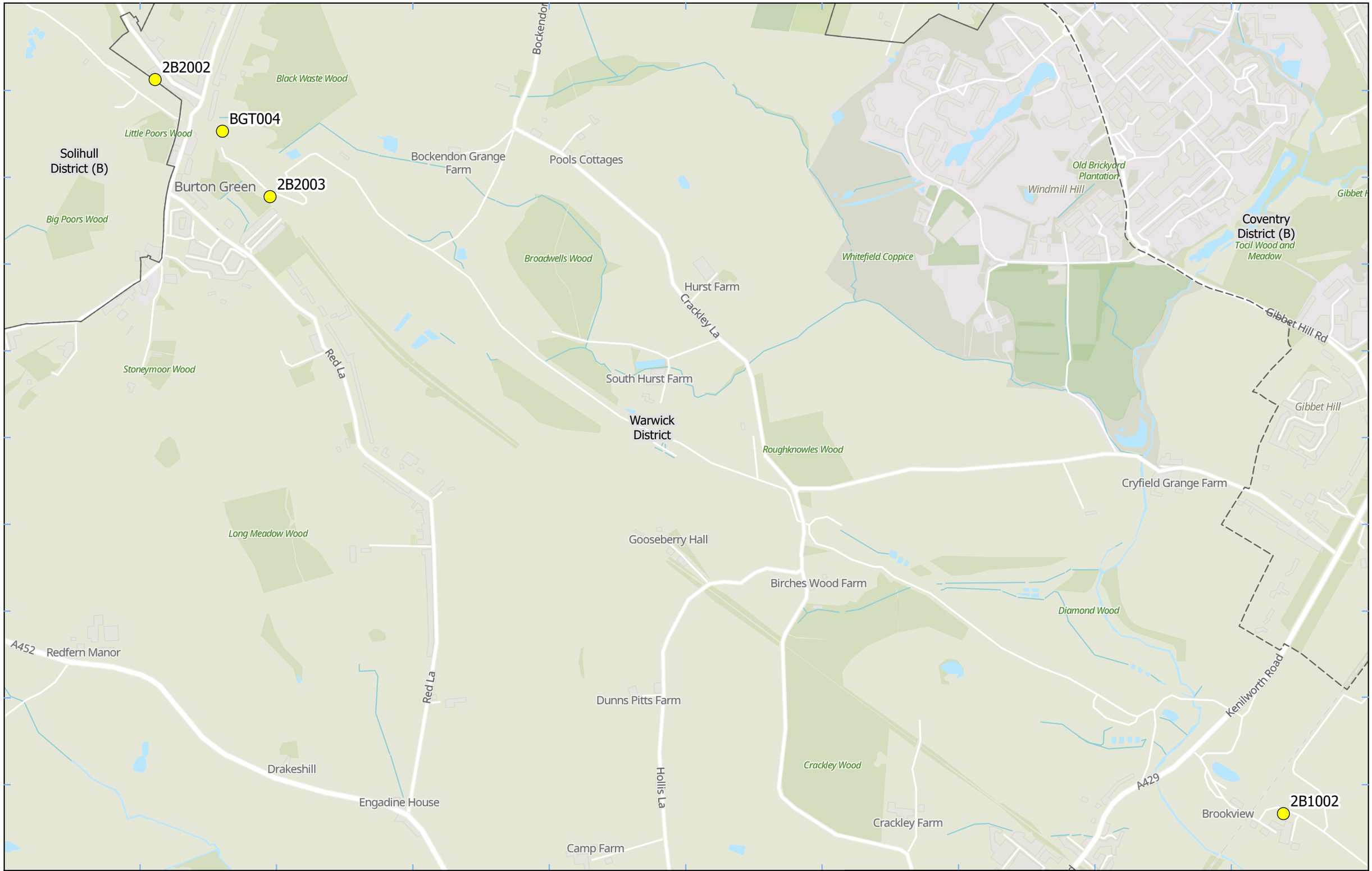
1.1.9 Data capture was below 90% for multiple monitors due to:

- Monitor 2A2002 – A battery refresh is scheduled for 12th January 2026.
- Monitor 2B1002 – A battery refresh is scheduled for 29th January 2026.
- Monitor 2B2002 – A battery refresh is scheduled for 23rd January 2026.
- Monitor 2B2003 – A battery refresh is scheduled for 8th January 2026.
- Monitor CUB002 – A battery refresh is being scheduled.
- Monitor FOS001 – A battery refresh and cabling maintenance is scheduled for 13th January 2026.
- Monitor FOS002 – A battery refresh is scheduled for 15th January 2026.
- Monitor OC001 – The power supply issue has been resolved.
- Monitor A46001 – A battery refresh is scheduled for 15th January 2026.
- Monitor 2A2001 – A monitor swap out took place on 16th December 2025. After the site visit, the issues were resolved.
- Monitor BGT004 – A monitor swap out is scheduled for 8th January 2026.

1.1.10 There were no (0) complaints received during the reporting period (December 2025).

Appendix A – Worksites and Monitoring Locations

Figures 1-3: Worksites and Monitoring Locations within WDC



Legend

- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations
In WDC (Sheet 1)

Warwick District Council

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Metres

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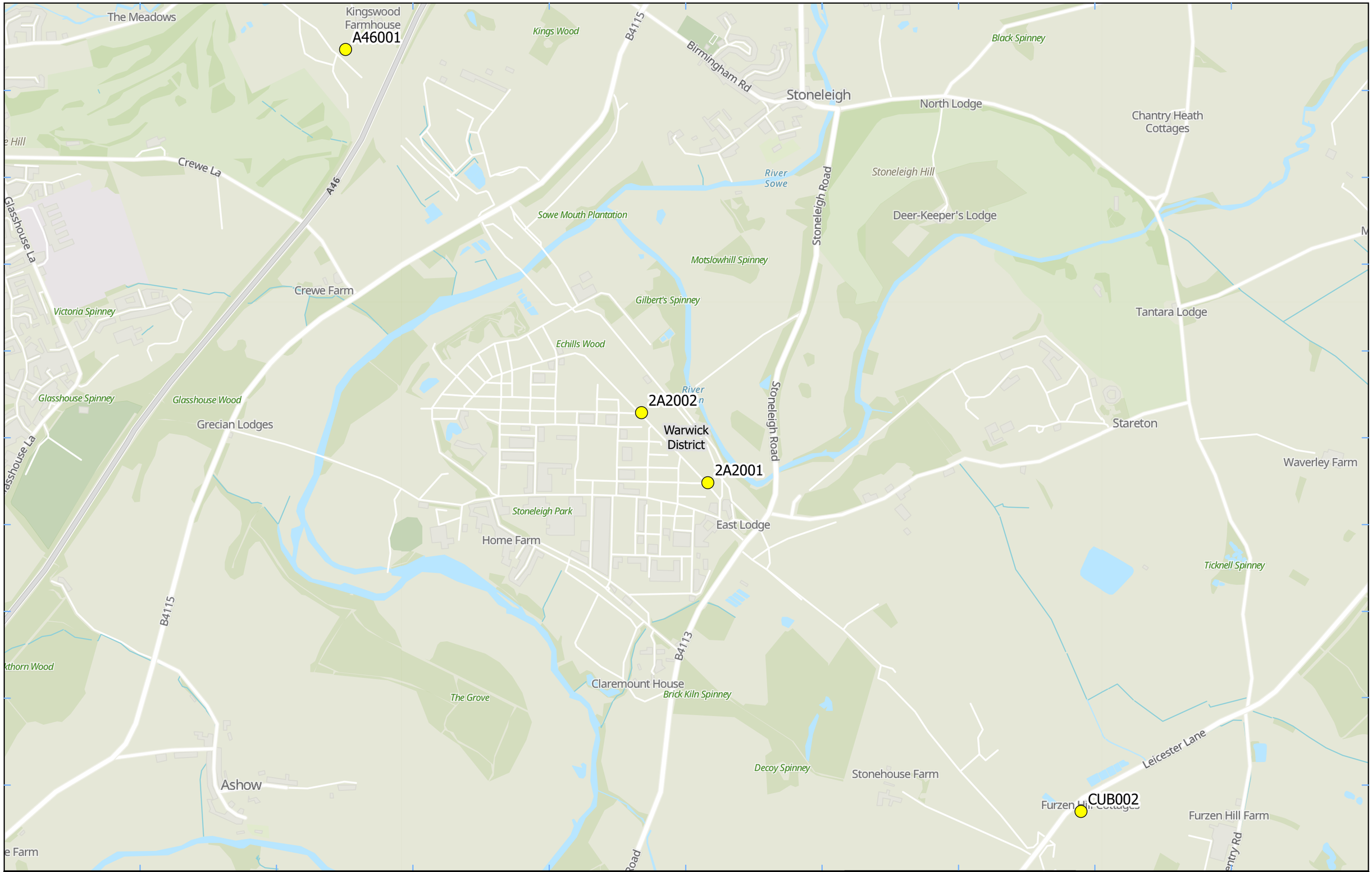

Legend

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Map Name

Monitoring Locations In WDC (Sheet 2)

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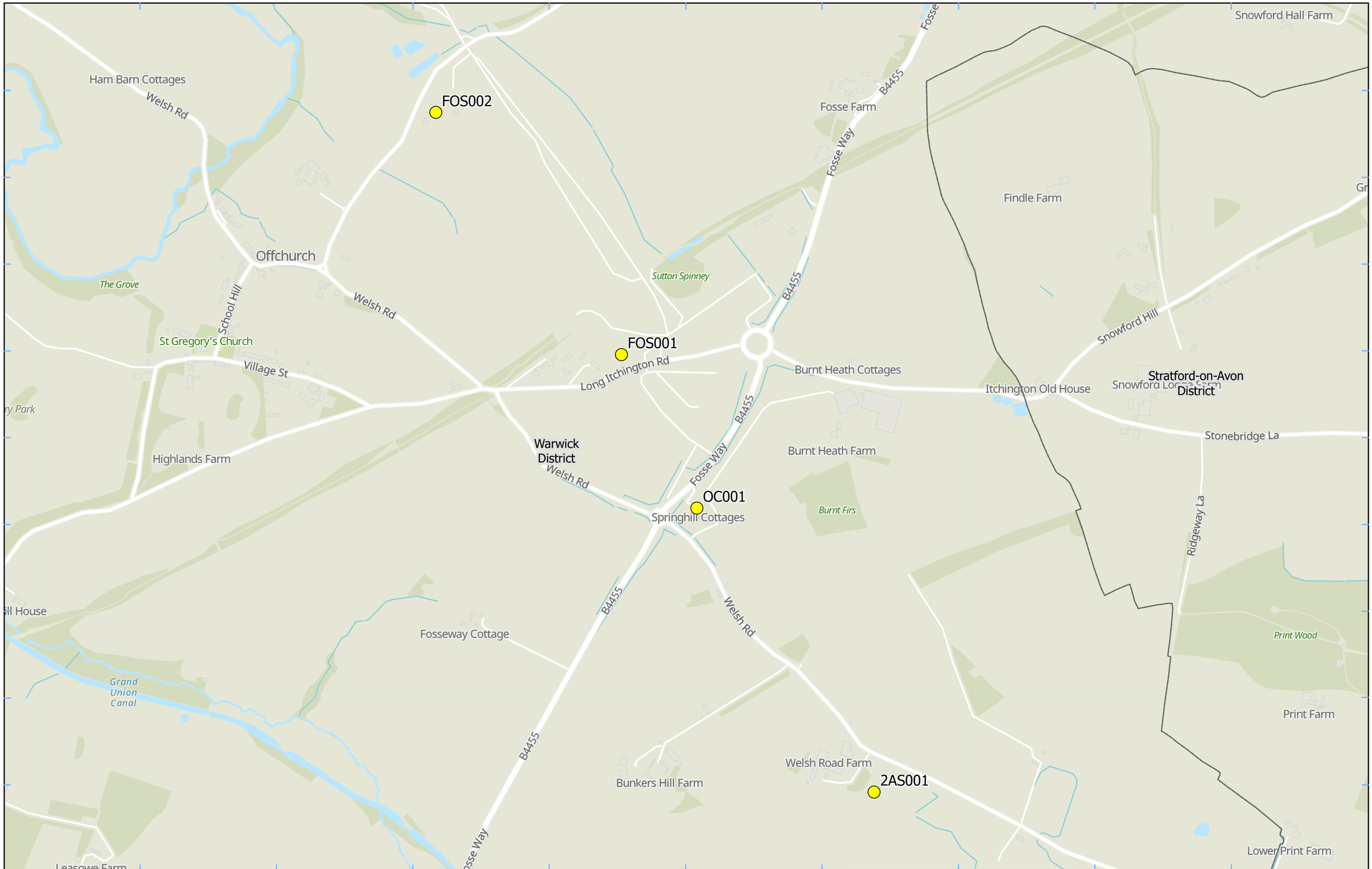

Legend

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Map Number

Map Name

Monitoring Locations
In WDC (Sheet 3)

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Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

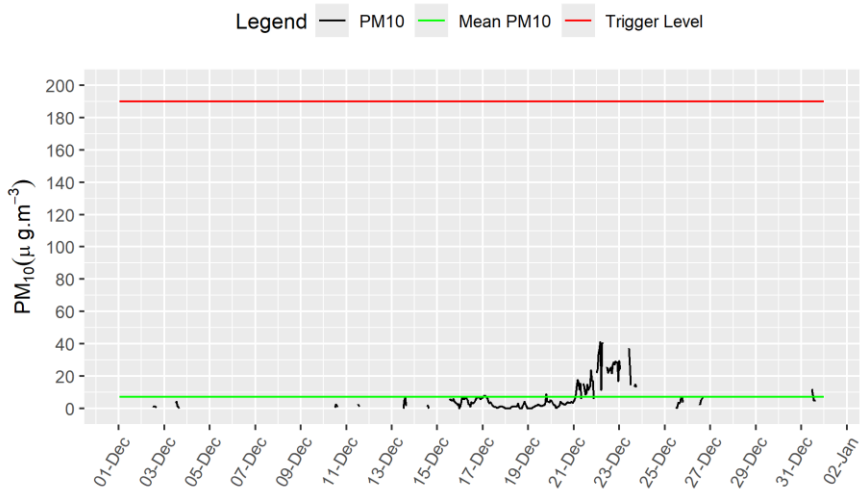
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM_{10} concentration (µg/m³)	Minimum 1-hour PM_{10} concentration (µg/m³)	Maximum 1-hour PM_{10} concentration (µg/m³)	Number of 1-hour periods exceeding trigger level of 190 µg/m³	Data capture (%)
2A2001	432797, 271427	East Lodge, Stoneleigh Park	M	Yes	No	5.9	0.2	29.8	0	82.3
2A2002	432566, 271671	East Lodge, Stoneleigh Park	M	Yes	No	1.9	0.1	23.5	0	53.4
2B2002	426768, 276023	Sublot 2B2, at nearest sensitive receptor on Hodgetts Lane	M	Yes	No	8.0	0.1	367.8	1	35.3
2B2003	427135, 275649	Sublot 2B2, at Broadwell Woods Caravan Park	M	Yes	No	5.1	0.1	20.6	0	38.7
2B1002	430371, 273678	Sublot 2B1, at Brookview Farm, Millburn Grange	M	Yes	No	7.1	0.1	41.3	0	29.4
2AS001	437578, 264581	Sublot 2AS, at Welsh Road Farm	M	Yes	No	6.0	0.1	29.9	0	99.6
OC001	437205, 265256	Springhill Cottages, Offchurch Cutting	M	Yes	No	5.2	0.1	31.6	0	92.7
CUB002	434097, 270282	Sublot 2A2, at Furzon Hill Cottages	L	Yes	No	6.2	0.1	28.2	0	72.7
FOS001	436912, 265643	Fosse Way Compound, on Long Itchington Road	M	Yes	No	4.1	0.1	25.3	0	54.6
FOS002	436506, 266235	Valley Fields, Fosse Way Main	L	Yes	No	6.9	0.1	54.0	0	77.0
BGT004	426983, 275858	301 Cromwell Lane, Burton Green	M	Yes	No	-	-	-	-	-
A46001	431535, 272936	Sublot 2A3, A46, Kingswood Farmhouse	M	Yes	No	4.0	0.1	32.8	0	90.6

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

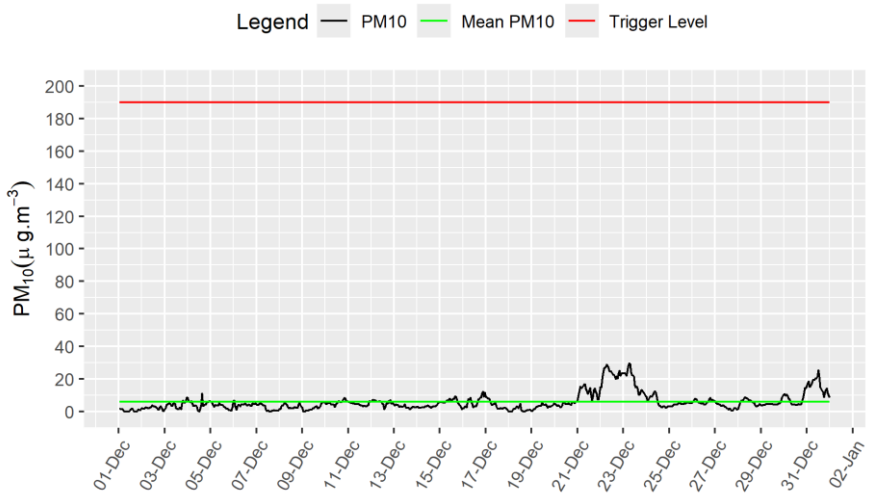
Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
2B2002	26/12/25: 16:01 - 17:00; 367.7 µg m^{-3}	There were no works activities occurring near the monitor at the time of the exceedance.	N/A

Figure 4: Construction dust 1-hour mean indicative PM_{10} concentration for all dust monitors

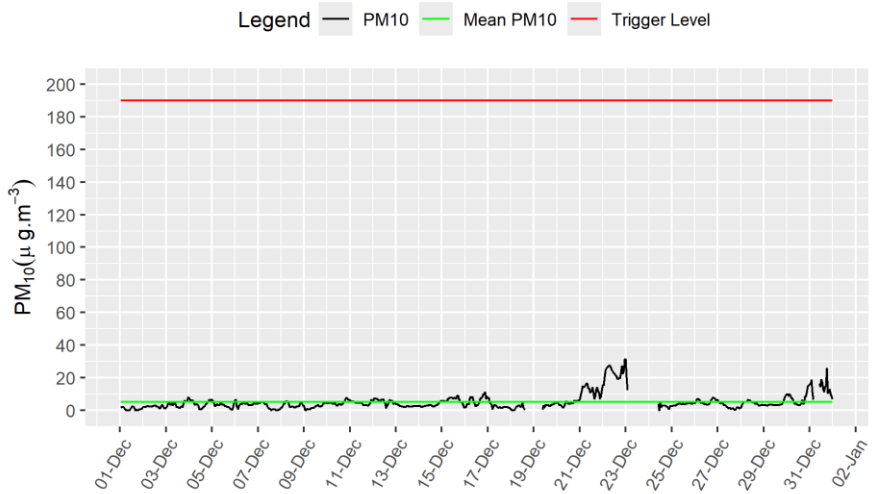
2B1002



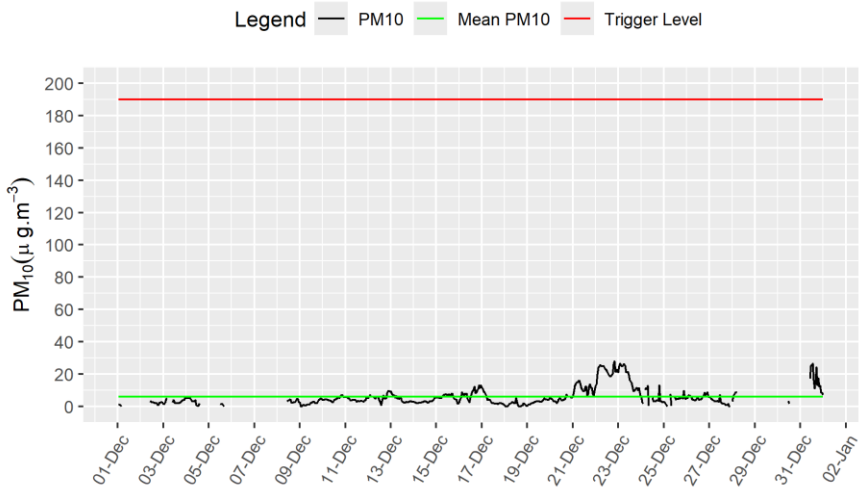
2AS001



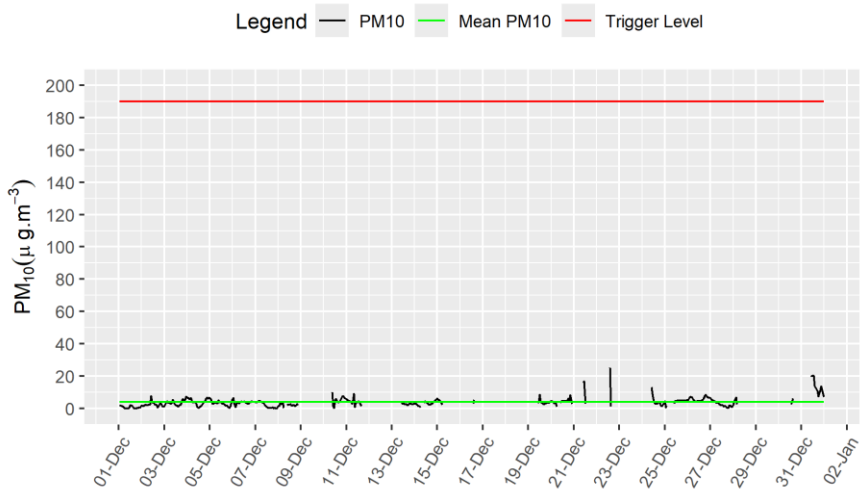
OC001



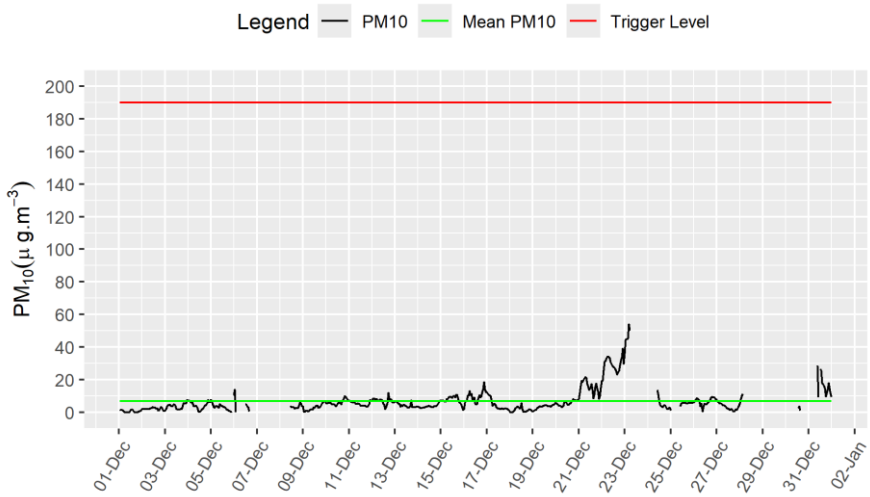
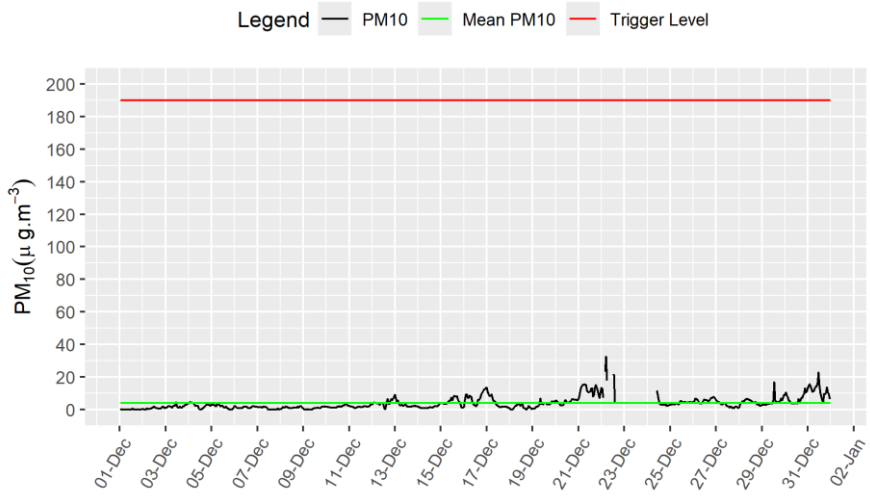
CUB002



FOS001



FOS002



A46001