

Air Quality and Dust Monitoring Monthly Report – October 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 October 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 available monthly 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 road realignment.

Stoneleigh Park

- Stoneleigh Park south accommodation overbridge.
- Deck reinforcement, side shutters, prefabrication and scaffold access to the deck.
- Relocating Heras fencing on east side of Stoneleigh Park.

Cublington Compound Worksite

- River Leam work: start installing diaphragm formwork.
- Fixing on deck spans 2,3,4 and 5.
- Started shuttering installation on ABO end wall, once these are in steel fixing can commence.
- Reinforcement on ABO end wall.
- Scaffolding for wingwalls.
- Steel fixing for wingwalls.
- Rugby Road started installing Soffits on north wingwalls.
- Installation of gabion baskets between Leicester Lane and Coventry Road.

Sublot 2B2

Burton Green Tunnel

- Tunnel works.
- Concrete pours.
- Steel fixing.
- Hydro demolition.

Broadwell Woods Caravan Park

- Landscape fill and structural work W168 underpass.

Welsh Road Underbridge Satellite Compound (Sublot 2AS)

Offchurch Cutting – Welsh Road Farm

- Earthworks movements for final embankment positions.

Offchurch Cutting – Valley Fields

- Earthworks movements for final embankment positions.

Offchurch Cutting – Brickyard Cottage

- Passing traffic.

A429 Kenilworth Road Overbridge (Sublot 2B1)

Kenilworth Road Overbridge – Millburn Grange

- Kenilworth cutting works.

Kenilworth Road Overbridge - Brookview

- Canley brook embankment dig and replace, cut and fill works.

Kenilworth Road Overbridge – 16 Kenilworth Road

- Mainline cutting.
- Concrete crushing activities.
- Canley brook pumping station excavation works.

Sublot 2A3

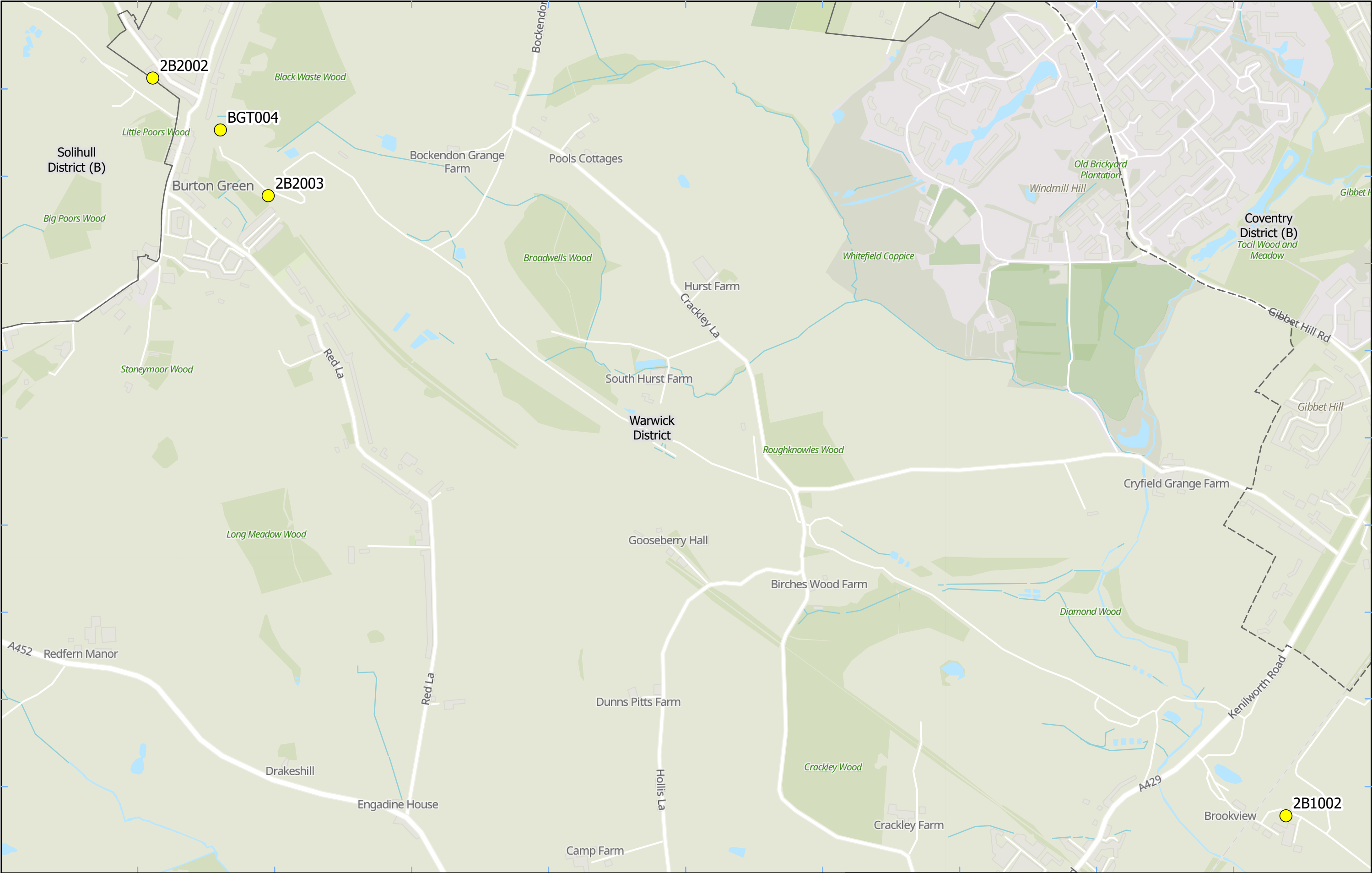
- Construction of glasshouse cutting and K29 footbridge (earthworks).
- Road sweepers in operation and plant movements.

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.

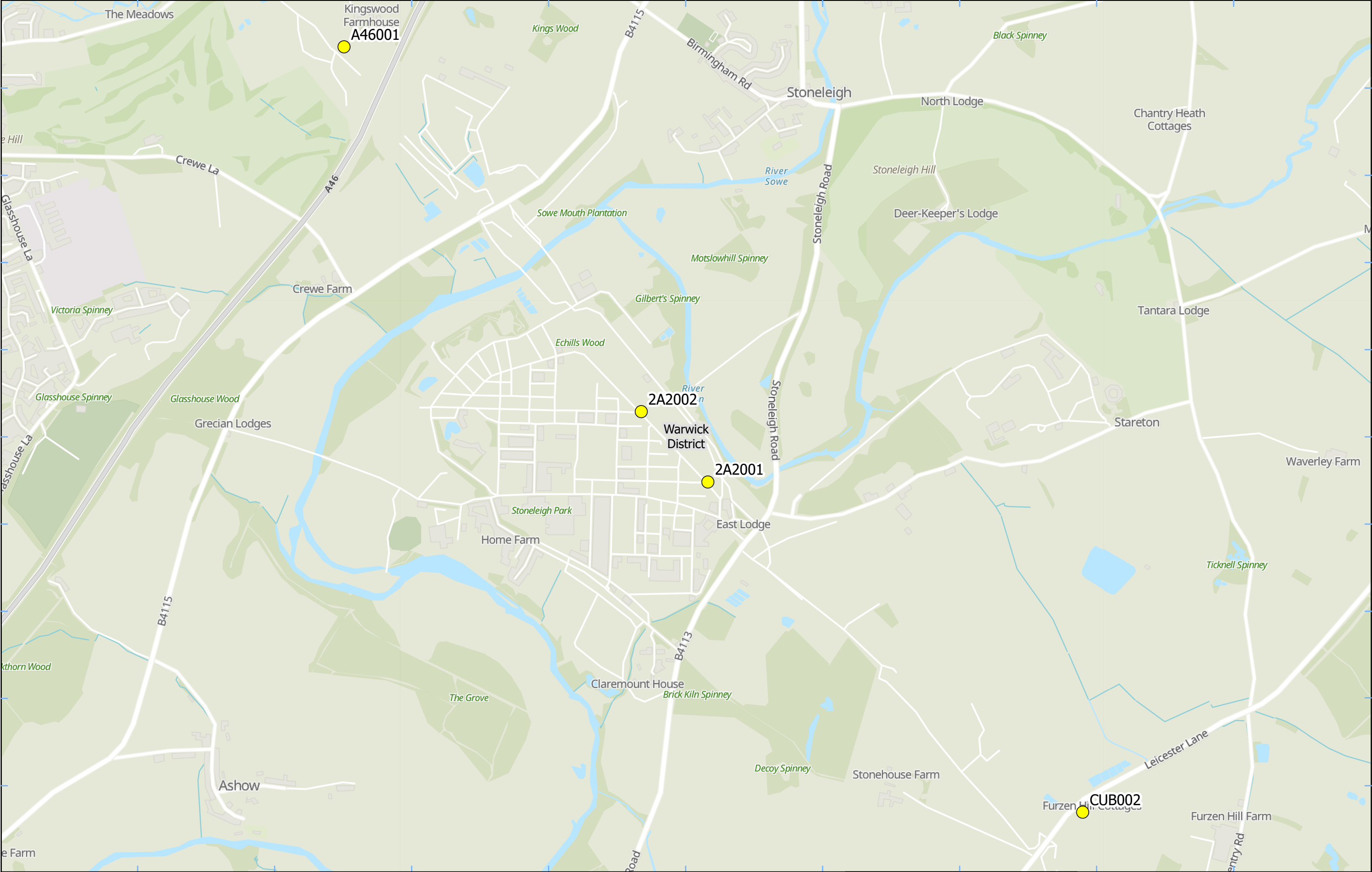
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor, presented in Figure 4. All continuous dust monitoring is undertaken using indicative monitors. Despite being Environment Agency (MCERTS) certified, indicative 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 No (0) dust trigger alerts were recorded during the monitoring period (October 2025).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor 2A2001 – A battery refresh took place on 30th October 2025. After the site visit, the issues were resolved.
 - Monitor 2A5001 – A battery refresh and monitor swap out for lab calibration took place on 10th October 2025. There have been issues with the monitor cabling. The power cable is due to be replaced on 27th November 2025.
 - Monitor 2B1002 – The monitor was offline as of the 16th October. A battery refresh took place on 24th October 2025. After the site visit, the issues were resolved.
 - Monitor 2B2002 – A battery refresh took place on 29th October 2025. After the site visit, the issues were resolved.
 - Monitor 2B2003 – A battery refresh took place on 24th October 2025. After the site visit, the issues were resolved.
 - Monitor BGT004 – A battery refresh took place on 24th October 2025. After the site visit, the issues were resolved.
 - Monitor CUB002 – A battery refresh took place on 23rd October 2025. After the site visit, the issues were resolved.
 - Monitor FOS001 – A battery refresh took place on 28th October 2025. After the site visit, the issues were resolved.
 - Monitor 2A2002 – A dust work up is being scheduled for November 2025.
 - Monitor A46001 – Currently under investigation. A battery swap out is scheduled for 13th November 2025.
- 1.1.10 There were no (0) complaints received during the reporting period (October 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	 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: 10/07/25
	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

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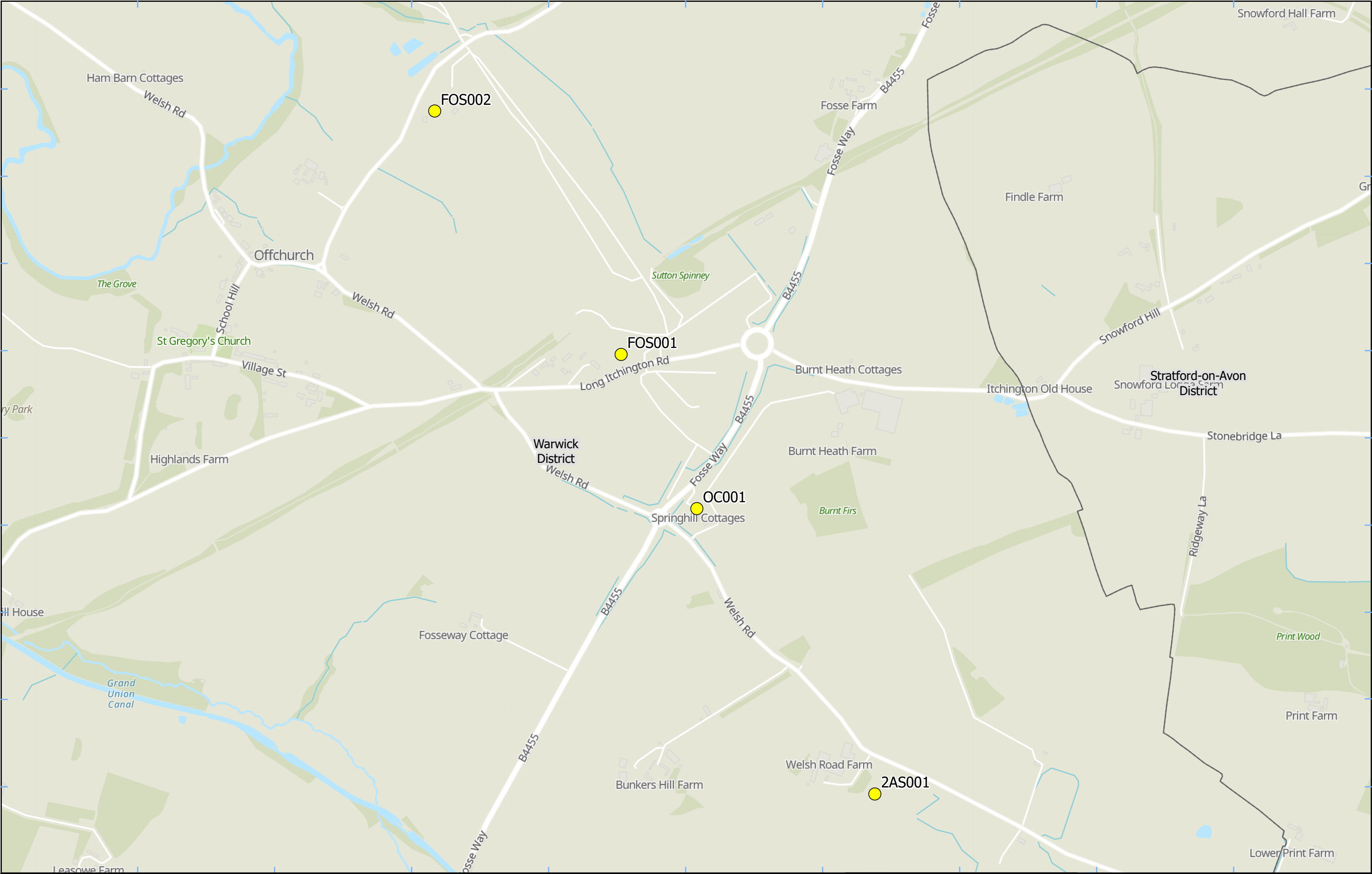
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Legend

Dust Monitor

District Borough Unitary Boundaries

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Map Number

Map Name

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

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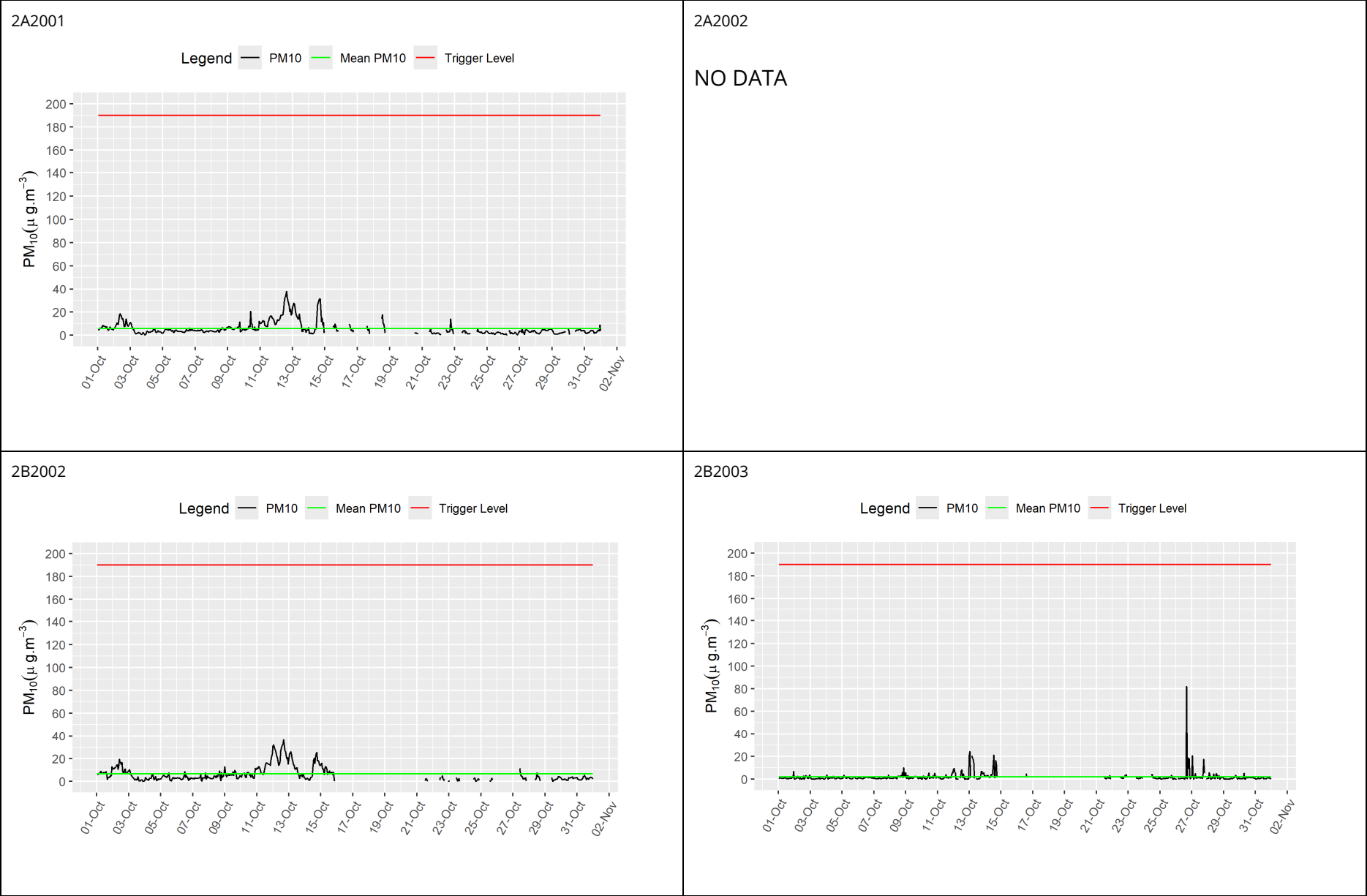
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Appendix B – Dust Monitoring Results

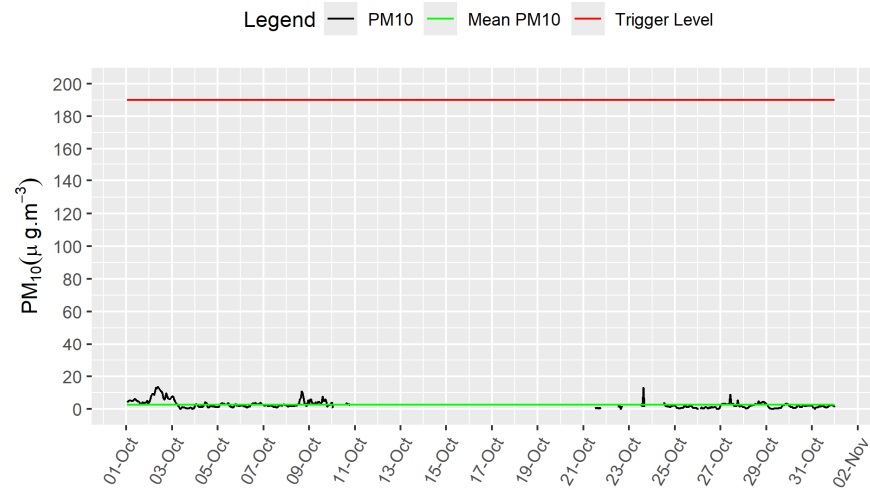
Table 1: Dust Monitoring Locations and Results

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	5.7	0.1	37.7	0	79.3
2A2002	432566, 271671	East Lodge, Stoneleigh Park	M	Yes	No	-	-	-	-	-
2B2002	426768, 276023	Sublot 2B2, at nearest sensitive receptor on Hodgetts Lane	M	Yes	No	6.5	0.1	36.4	0	63.8
2B2003	427135, 275649	Sublot 2B2, at Broadwell Woods Caravan Park	M	Yes	No	1.9	0.1	82.1	0	70.4
2B1002	430371, 273678	Sublot 2B1, at Brookview Farm, Millburn Grange	M	Yes	No	2.6	0.1	13.5	0	55.6
2AS001	437578, 264581	Sublot 2AS, at Welsh Road Farm	M	Yes	No	-	-	-	-	-
OC001	437205, 265256	Springhill Cottages, Offchurch Cutting	M	Yes	No	5.8	0.1	32.7	0	99.9
CUB002	434097, 270282	Sublot 2A2, at Furzon Hill Cottages	L	Yes	No	4.6	0.1	29.4	0	76.1
FOS001	436912, 265643	Fosse Way Compound, on Long Itchington Road	M	Yes	No	5.4	0.1	32.1	0	76.1
FOS002	436506, 266235	Valley Fields, Fosse Way Main	L	Yes	No	6.2	0.1	37.5	0	99.5
BGT004	426983, 275858	301 Cromwell Lane, Burton Green	M	Yes	No	8.0	0.2	73.5	0	79.7
A46001	431535, 272936	Sublot 2A3, A46, Kingswood Farmhouse	M	Yes	No	8.2	0.1	43.6	0	61.2

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



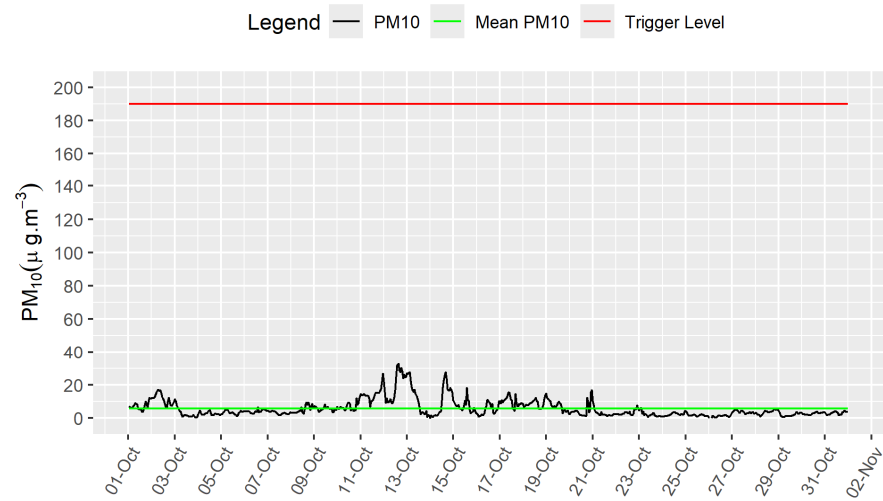
2B1002



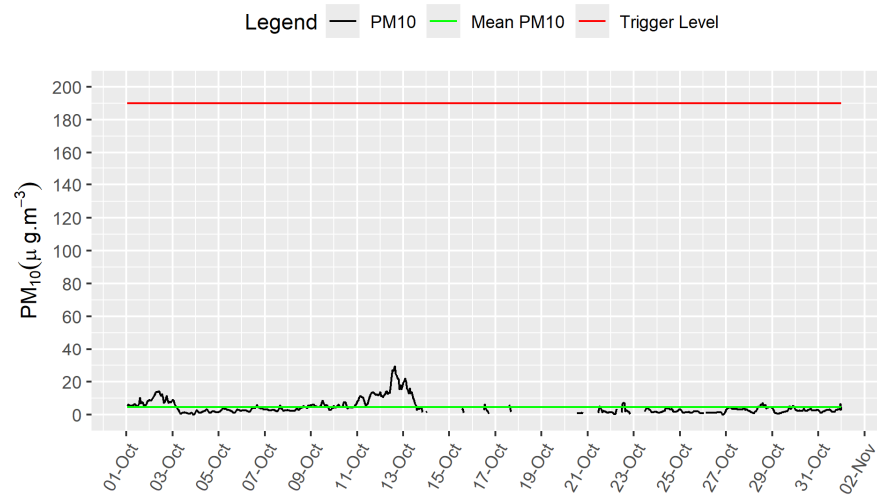
2AS001

NO DATA

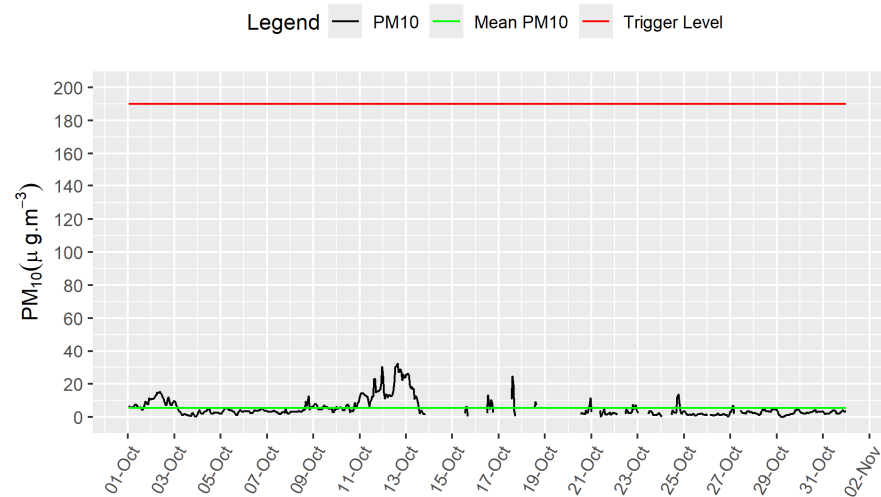
OC001



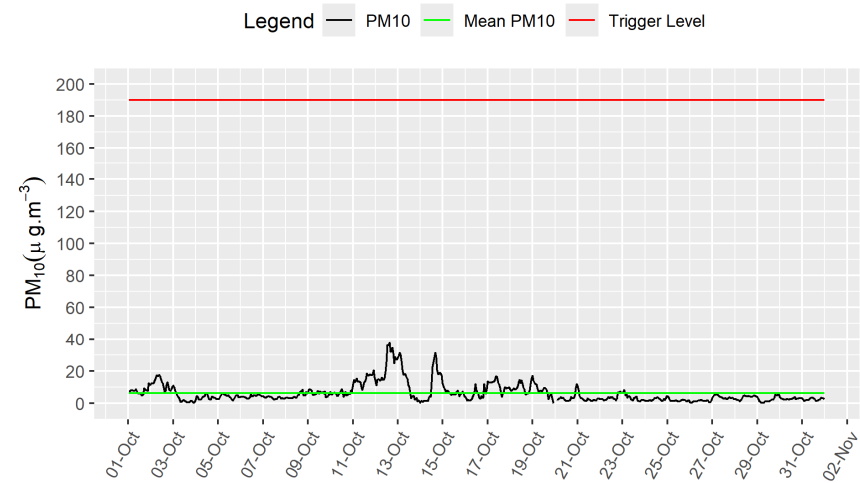
CUB002



FOS001



FOS002



BGT004

