

Air Quality and Dust Monitoring Monthly Report – October 2025

West Northamptonshire 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

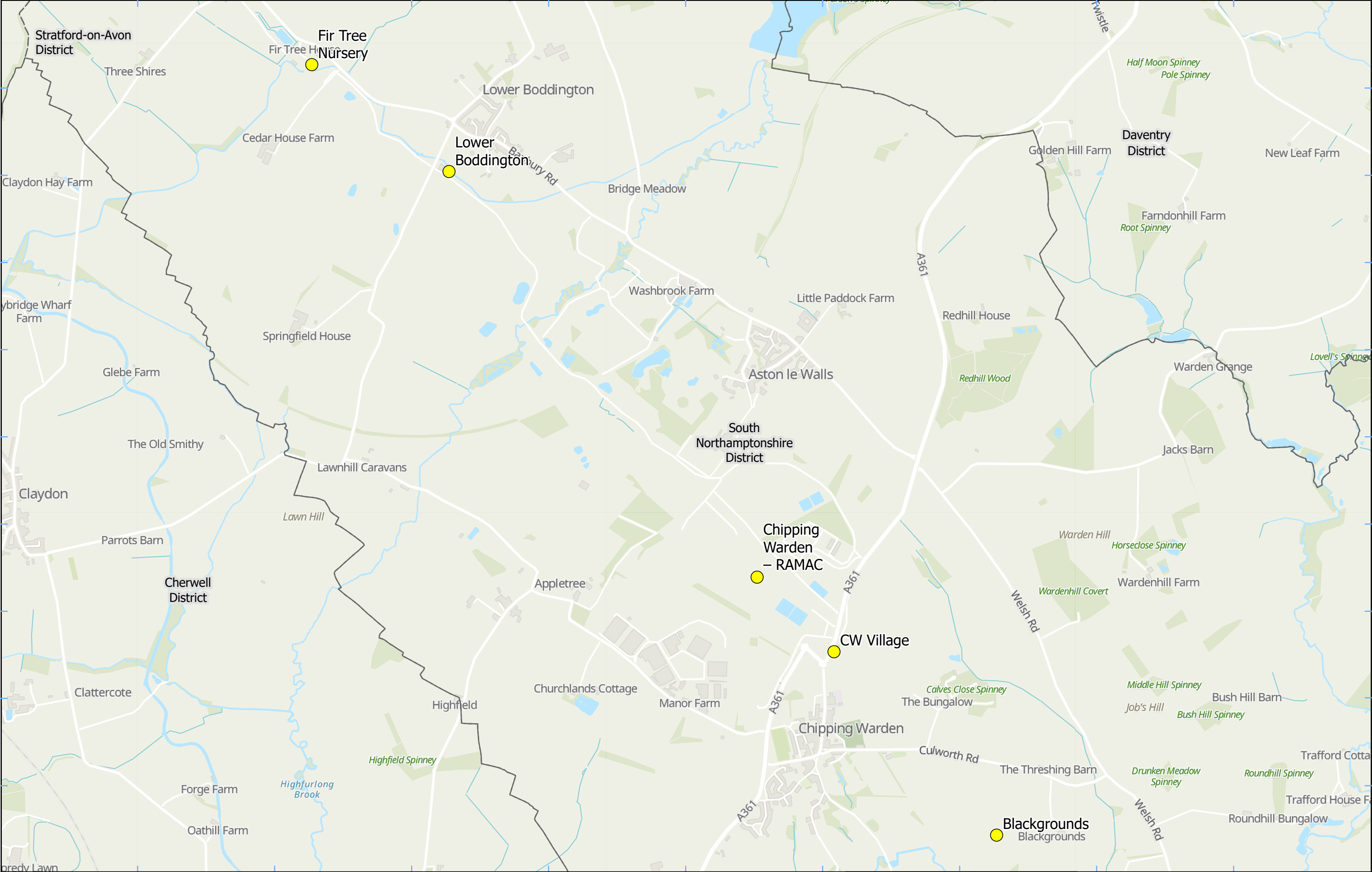
- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of dust monitoring undertaken in the West Northamptonshire District (WNDC) during October 2025.
- 1.1.2 Figure 1 and Figure 2 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 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, Figure 1 and Figure 2, include:
- T&M Refuelling and welfare servicing.
 - Water Management - Monitoring only and Site Wide General maintenance
 - Earthworks
 - Greatworth Tee highways works
 - Chipping Warden Batching plant (drainage works).
- 1.1.5 Nine (9) dust monitors are installed around these worksites, where works are underway. These sites returned a 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 3. 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:

- Radstone monitor - Intermittent data capture throughout the month was due to a battery fault.
- Greatworth Hall monitor - Intermittent data capture from 19th October was due to a battery fault.
- Chipping Warden – RAMAC monitor - Very low data capture throughout the month was due to a battery fault.
- Chipping Warden Village monitor - Intermittent data capture from 12th October was due to a battery fault.
- Fir Tree Nursery monitor - Intermittent data capture from 13th October to 21st October was due to a battery fault.
- Blackgrounds monitor - Intermittent data capture from 12th October was due to a battery fault.

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

Appendix A –Worksites and Monitoring Locations

Figures 1 and 2: Worksites and Monitoring Locations within WNDC



Legend

 Dust Monitor

 District Borough Unitary Boundaries

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Map Number

Map Name

**Monitoring Locations
In WNDC (Sheet 1)**

**West Northamptonshire District
Council**



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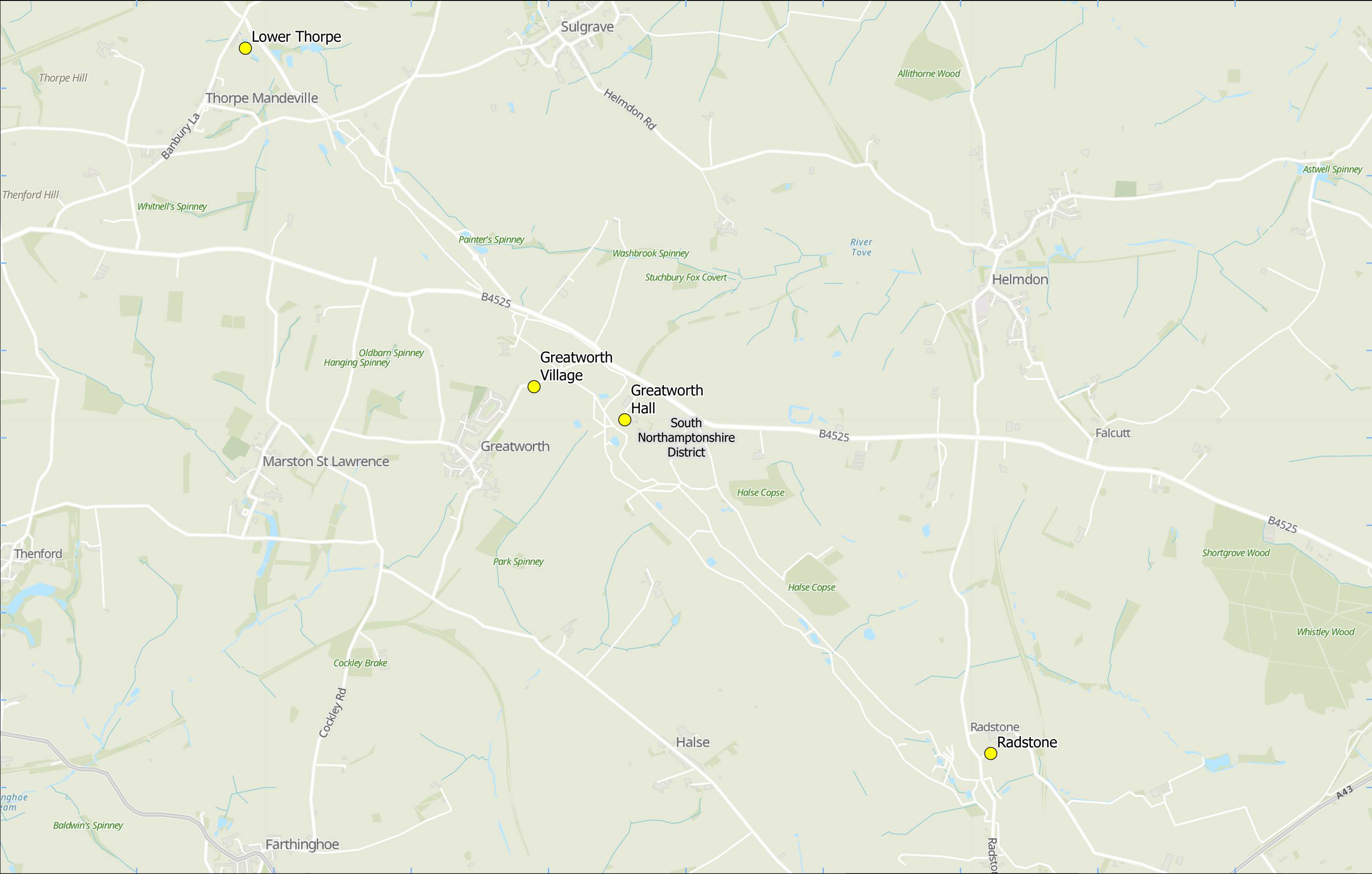


Scale at A3: 1:18,000



Metres

Date: 20/06/24



Legend

Dust Monitor

District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations
In WNDC (Sheet 2)

West Northamptonshire District

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Metres

Date: 30/09/25

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	1-hour data capture (%)
Chipping Warden – RAMAC	449600, 249755	Chipping Warden, West Northamptonshire	M	Yes	Yes	5.3	1.0	40.0	0	62.8
CW Village	450000, 249367	Chipping Warden, West Northamptonshire	M	Yes	Yes	5.5	1.0	27.0	0	72.8
Lower Boddington	447997, 251865	Lower Boddington, West Northamptonshire	M	Yes	Yes	7.0	1.0	46.0	0	91.4
Fir Tree Nursery	447283, 252421	Fir Tree Nursery, West Northamptonshire	M	Yes	Yes	6.2	1.0	47.0	0	87.9
Radstone	458712, 240454	Radstone Road, Brackley, West Northamptonshire	M	Yes	Yes	6.4	1.0	42.0	0	75.4
Greatworth Village	455551, 242992	Greatworth Village, Helmdon Road,	M	Yes	Yes	6.7	1.0	45.0	0	95.6
Lower Thorpe	453553, 245334	Banbury Lane, Lower Thorpe	M	Yes	Yes	6.4	1.0	41.0	0	94.5
Greatworth Hall	456179, 242763	Greatworth Hall, Greatworth	M	Yes	Yes	7.1	1.0	45.0	0	88.6
Blackgrounds	450846, 248413	Blackgrounds, West Northamptonshire	M	Yes	Yes	6.1	1.0	44.0	0	86.2

Figure 3: Continuous dust 1-hour mean indicative PM₁₀ concentration for all monitors



