

Air Quality and Dust Monitoring Monthly Report – April 2026

West Northamptonshire 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 dust monitoring undertaken in the West Northamptonshire District (WNDC) during April 2026.
- 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:

Twyford to Greatworth

Radstone

- Bulk Excavation
- Stockpile Management
- BSC Radstone Plug
- Site Access Road/ Haul Road use and maintenance
- Drainage
- Works associated with the permanent diversion of Radstone Road.
- Radstone Rd access track works
- AX15 Deck diaphragm works
- AX18 utilities and drainage works
- Brackley Embankment works

Greatworth Hall

- Bulk Excavation - AN14 plug
- Stockpile Management
- Site Access Road/ Haul Road use and maintenance
- Main excavation works at Greatworth South Cutting
- Drainage works
- AN37 Highways work

Greatworth To Southam

G2S Central and South

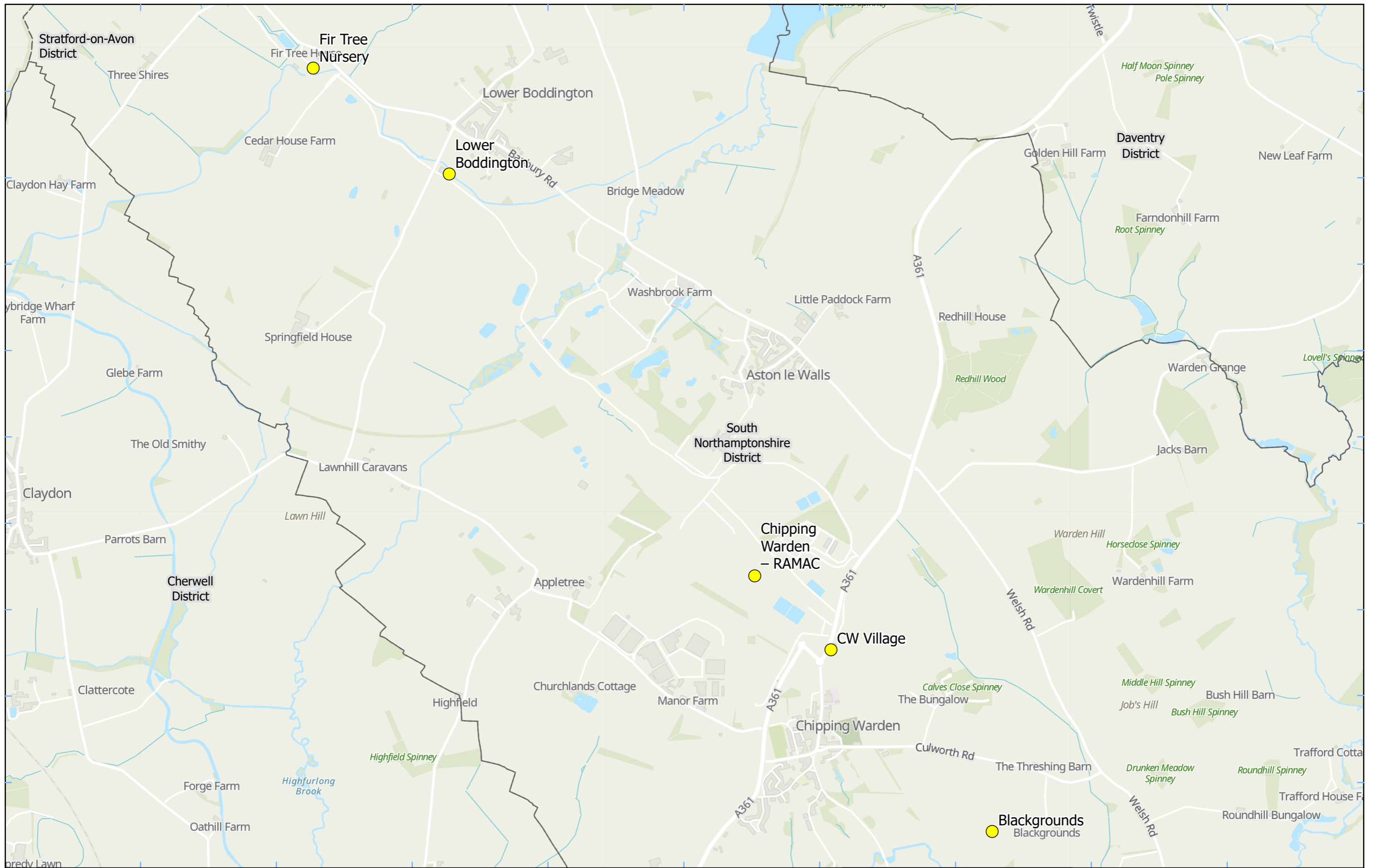
- Bulk Excavation

- Stockpile Management
- Site Access Road/ Haul Road use and maintenance
- Drainage
- Green Tunnel structures and Backfill for chipping warden Green Tunnel and Greatworth Green Tunnel.
- Structural and Earthworks works at G2S South and Central Key overbridges and Viaducts
- Edgcote viaduct – parapet installation
- Nursery site feeder canal, structural and earthworks.
- Cedars farm Highways
- Boddington lane – highways works
- Wormleighton access track – highways works
- Stoneton lane OB – structural works
- Highways road works and enabling works across G2S
- Utilities works Across G2S
- Accommodation works around G2S.

- 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 (April 2026).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Greatworth Village monitor had zero values recorded from 9th to 14th April 2026 due to a communications cable issue.
- 1.1.10 There were no (0) complaints received during the reporting period (April 2026).

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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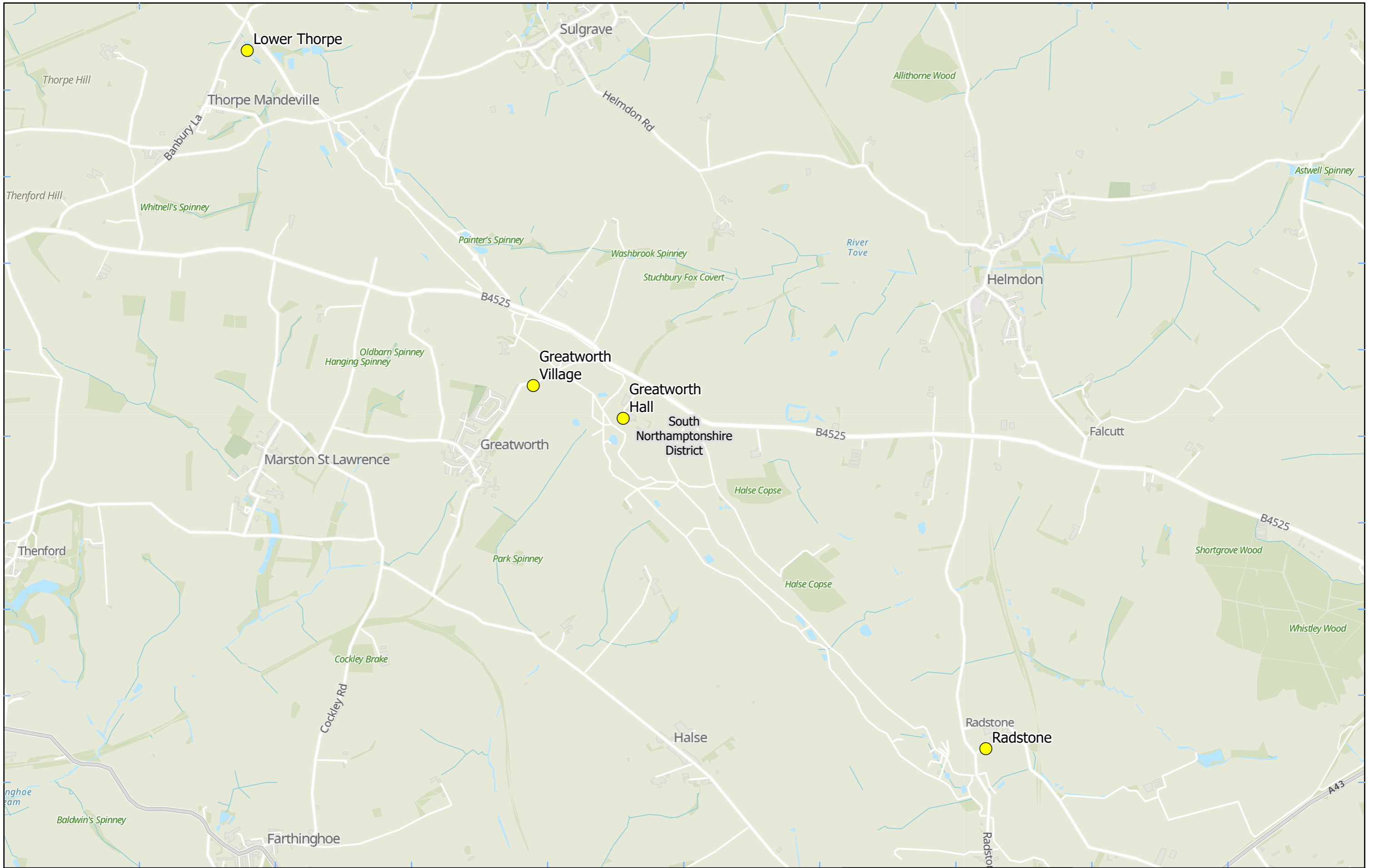
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Legend

- 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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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	10.5	1.0	175.0	0	99.2
CW Village	450000, 249367	Chipping Warden, West Northamptonshire	M	Yes	Yes	6.7	1.0	25.0	0	99.7
Lower Boddington	447997, 251865	Lower Boddington, West Northamptonshire	M	Yes	Yes	6.7	1.0	27.0	0	99.6
Fir Tree Nursery	447283, 252421	Fir Tree Nursery, West Northamptonshire	M	Yes	Yes	6.2	1.0	24.0	0	99.7
Radstone	458712, 240454	Radstone Road, Brackley, West Northamptonshire	M	Yes	Yes	6.6	1.0	28.0	0	99.7
Greatworth Village	455551, 242992	Greatworth Village, Helmdon Road,	M	Yes	Yes	7.7	1.0	57.0	0	81.8
Lower Thorpe	453553, 245334	Banbury Lane, Lower Thorpe	M	Yes	Yes	6.8	1.0	26.0	0	98.1
Greatworth Hall	456179, 242763	Greatworth Hall, Greatworth	M	Yes	Yes	15.5	2.0	60.0	0	99.6
Blackgrounds	450846, 248413	Blackgrounds, West Northamptonshire	M	Yes	Yes	6..5	1.0	23.0	0	99.4

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

