

Air Quality and Dust Monitoring Monthly Report – July 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 July 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:

Twyford to Greatworth

Radstone and Hall Farm

- Bulk Excavation
- Stockpile Management
- Site Access Road/ Haul Road use and maintenance
- Drainage
- Works associated with the permanent diversion of Radstone Road.
- Works associated with the temporary diversion of Radstone Road.
- AX15 Abutments and west wingwalls construction
- AX18 Deck Waterproofing
- Brackley Culvert installation
- Radstone Road closure – 9th June-4th July.

Greatworth Hall

- Crushing and screening
- Bulk Excavation
- Stockpile Management
- Site Access Road/ Haul Road use and maintenance
- Excavate and replace at Greatworth South Cutting
- Main excavation works at Greatworth South Cutting
- Drainage works
- AN37 Deck works and parapet installation
- AN14 Parapet Installation + Parapet Stitch FRC
- Stockpile management.

Greatworth To Southam

- Steel fixing, waterproofing, storage yard maintenance.
- Greatworth park and Greatworth Tee highways
- Highway works at Cedar Farm Accommodation Overbridge, Banbury Road Overbridge, Footpath SM101 Green Overbridge
- Lower Thorpe drop inlet - ramp install
- A361 utilities works
- Earthworks- backfill, loading and hauling, compacting at; Chipping Warden Green Tunnel, Aston le walls Embankment, High Furlong Brook Embankment / High Furlong Brook Viaduct & Lower Boddington Embankment
- Chipping Warden Green Tunnel North Portal Building and UTX Area
- Land Option 16A - Topsoil strip and V-Ditching at field 16a - 2.06
- Drop Inlet Culvert / Lower Thorpe North Embankment: Bulk Earthworks + Preparing access LTNC + placement of 1a1 fill around culvert in prep for waterproofing. Haul Road Maintenance
- Bulk earthworks - Edgcote North Embankment, Culworth embankment and Greatworth Green Tunnel backfill.
- Structures; Chipping Warden Green tunnel- steel fixing, waterproofing, storage yard maintenance.
- Lower Thrope - reducing platform level
- Greatworth Green Tunnel - blinding slab.

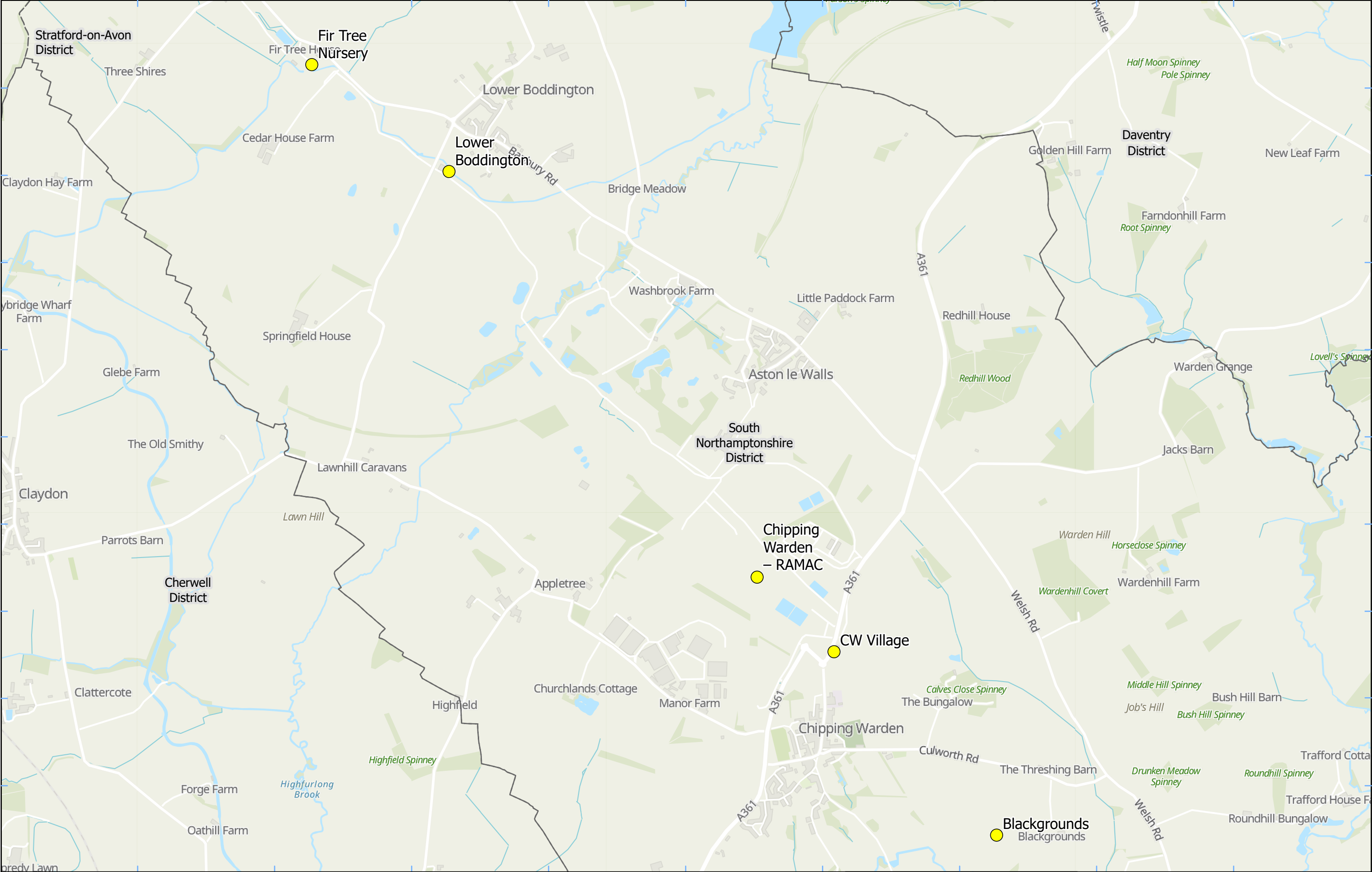
- 1.1.5 Ten (10) dust monitors are installed around these worksites, where works are underway. These sites returned a medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 2, together with line charts of monthly data from each dust monitor, presented 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 (July 2025).
- 1.1.9 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 July 2025

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-25-46603-C	N/A	Increased amount of dust on property.	Property is considerable distance from HS2 works, cause of dust unlikely to be caused by HS2. Resident has been updated.

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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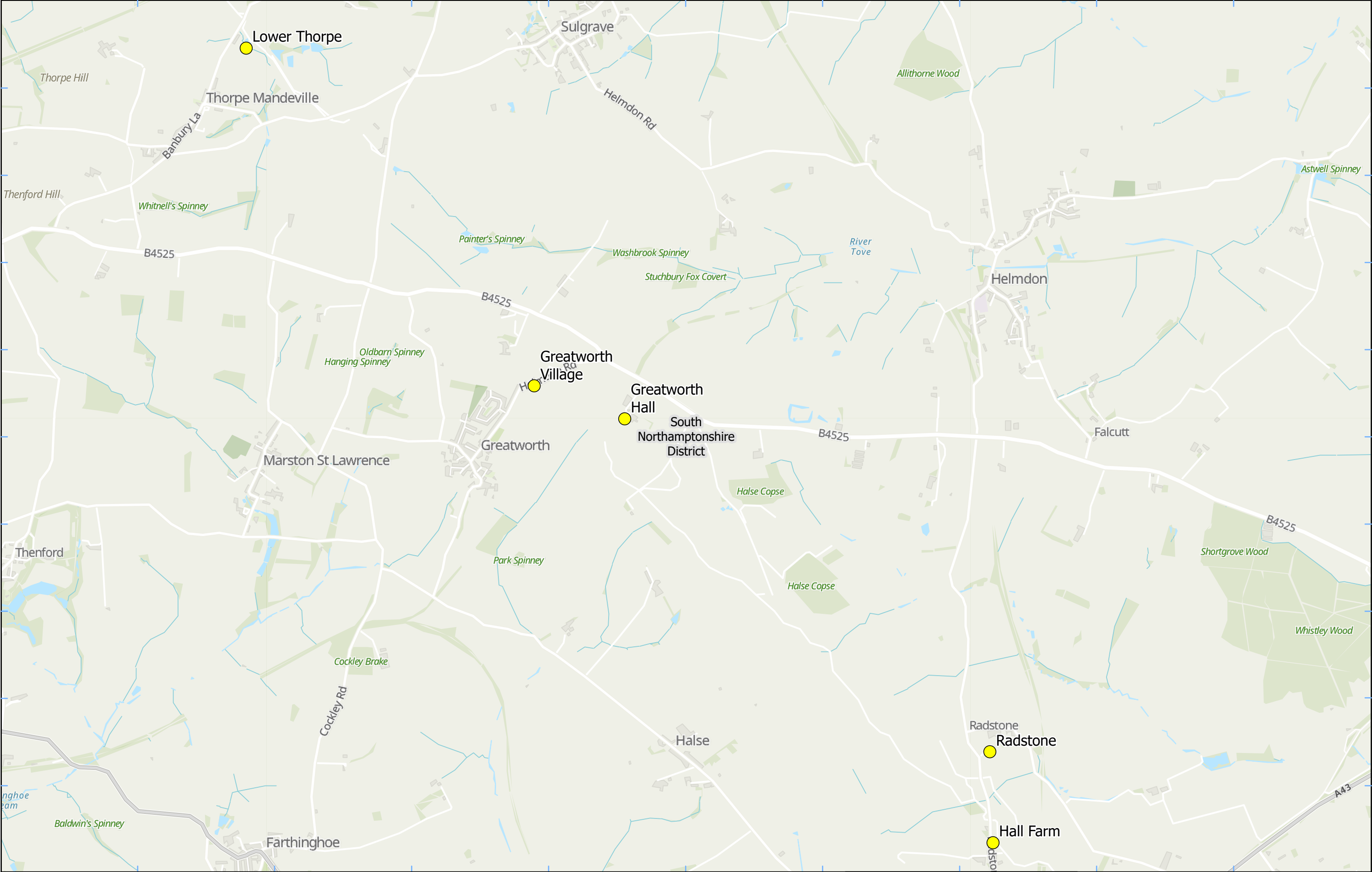
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Date: 20/06/24



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: 20/06/24

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	6.8	1.0	49.0	0	99.3
CW Village	450000, 249367	Chipping Warden, West Northamptonshire	M	Yes	Yes	7.2	1.0	56.0	0	99.6
Lower Boddington	447997, 251865	Lower Boddington, West Northamptonshire	M	Yes	Yes	7.3	1.0	60.0	0	100.0
Fir Tree Nursery	447283, 252421	Fir Tree Nursery, West Northamptonshire	M	Yes	Yes	6.6	1.0	49.0	0	100.0
Radstone	458712, 240454	Radstone Road, Brackley, West Northamptonshire	M	Yes	Yes	19.3	5.0	87.0	0	100.0
Hall Farm	458734, 239823	Hall Farm, Radstone Road	M	Yes	Yes	6.2	1.0	47.0	0	99.5
Greatworth Village	455551, 242992	Greatworth Village, Helmdon Road,	M	Yes	Yes	5.7	1.0	48.0	0	98.8
Lower Thorpe	453553, 245334	Banbury Lane, Lower Thorpe	M	Yes	Yes	6.2	1.0	53.0	0	99.9
Greatworth Hall	456179, 242763	Greatworth Hall, Greatworth	M	Yes	Yes	6.5	1.0	53.0	0	99.5
Blackgrounds	450846, 248413	Blackgrounds, West Northamptonshire	M	Yes	Yes	6.1	1.0	58.0	0	99.7

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



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