

Air Quality and Dust Monitoring Monthly Report – July 2026

West Northamptonshire District Council



Department for Transport

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High Speed Two (HS2) Limited,
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

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 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:

Greatworth Green Tunnel

- Drainage
- Water Management
- Genal Site Maintenance
- pond and ditches maintenance and works
- Greatworth Green tunnel: bulk earthworks
- Greatworth Green tunnel: backfill
- North portal: structures and general earthworks
- south portal structures and general earthworks
- Greatworth north embankment - bulk earthworks
- Greatworth south embankment - bulk earthworks
- Greatworth hall culvert- general excavation and earthworks

BG Blackgrounds

- Edgcote Cutting - drainage and Earthworks
- Water Management
- Genal Site Maintenance
- De-veg
- Haul road and SAR movements and repairs

Greatworth To Southam

- Works within the vicinity of G2S monitors
- Lower Boddington
- General maintenance
- Water management

- Cedar farm Highway works
- Boddington cutting Earthworks
- Banbury Road OB Welding repairs
- SAR/MHR movements and repairs
- High Furlong drainage and structural works
- High Furlong General Earthworks
- High Furlong Crushing works.

Chipping Warden

- Site Access Road/ Haul Road use and maintenance
- Drainage
- Water Management
- Genal Site Maintenance
- pond and ditches maintenance and works
- Green tunnel: bulk earthworks
- Green tunnel: backfill
- North portal: structures and general earthworks
- south portal structures and general earthworks
- north embankment - bulk earthworks
- south embankment - bulk earthworks
- Hall culvert- general excavation and earthworks.

Lower Thorpe

- FRC works
- Traveller assembly and deck construction
- Parapet installation
- Site Access Road/ Haul Road use and maintenance
- Drainage
- Water Management
- General Site Maintenance
- Culworth Brooke repairs
- enabling and Road Works
- Lower Thorpe North and south Embankment - bulk earthworks and stockpile management.

Fir Tree Nursery

- Cedar farm Highway works
- Boddington cutting Earthworks
- Banbury Road OB Welding repairs
- SAR/MHR movements and repairs
- General maintenance
- Water management
- Fir Tree Nursery Highways
- Fe-veg

- Feeder canal culvert - enabling works for canal diversion

Twyford to Greatworth Area

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 parapets installation
- AX18 utilities and drainage works
- Brackley Embankment works.

Greatworth Hall

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

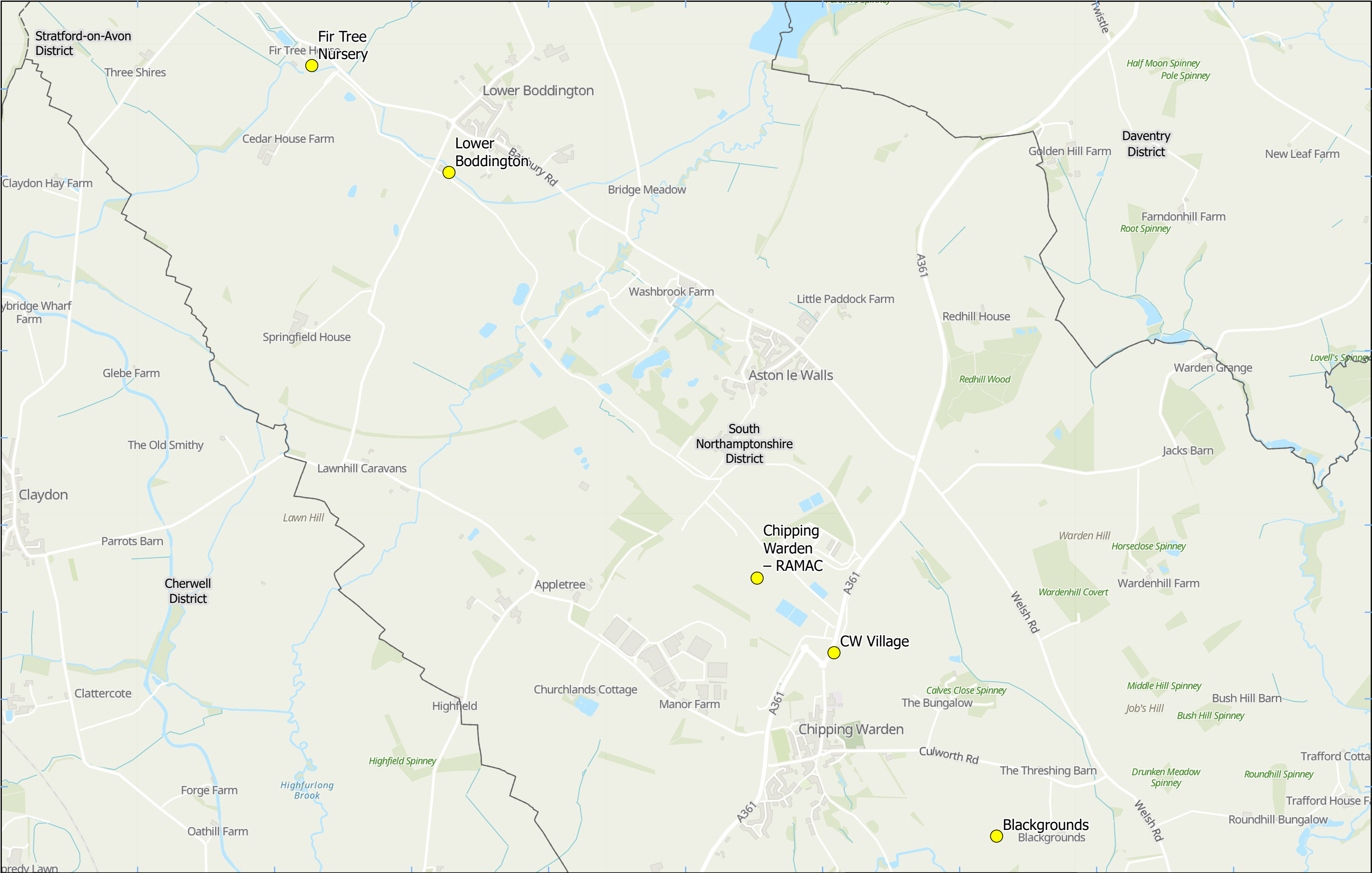
- 1.1.5 Nine (9) dust monitors are installed around these worksites, where works are underway. These sites returned a medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor, presented 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 (July 2026).
- 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 2026

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-26-47521-C	N/A	Dust and dirt all over the village.	Resident has been assured that during the current dry spell that dust suppression is a priority, and our Environmental and Delivery Teams are working together to ensure mitigation measures are in place and monitoring systems are fully operational. No Exceedances have been recorded.
HS2-26-47522-C	N/A	Personal property covered in dust.	Resident has been assured that during the current dry spell that dust suppression is a priority, and our Environmental and Delivery Teams are working together to ensure mitigation measures are in place and monitoring systems are fully operational. No Exceedances have been recorded.
HS2-26-47534-C	N/A	Dust levels increased in the area.	Resident has been assured that during the current dry spell that dust suppression is a priority, and our Environmental and Delivery Teams are working together to ensure mitigation measures are in place and monitoring systems are fully operational. No Exceedances have been recorded.
HS2-26-47540-C	N/A	Large amounts of dust in the village.	Resident has been assured that during the current dry spell that dust suppression is a priority, and our Environmental and Delivery Teams are working together to ensure mitigation measures are in place and monitoring systems are fully operational. No Exceedances have been recorded.
HS2-26-47563-C	N/A	Excessive amount of dust on property.	Resident has been assured that during the current dry spell that dust suppression is a priority, and our Environmental and Delivery Teams are working together to ensure mitigation measures are in place and monitoring systems are fully operational. No Exceedances have been recorded.

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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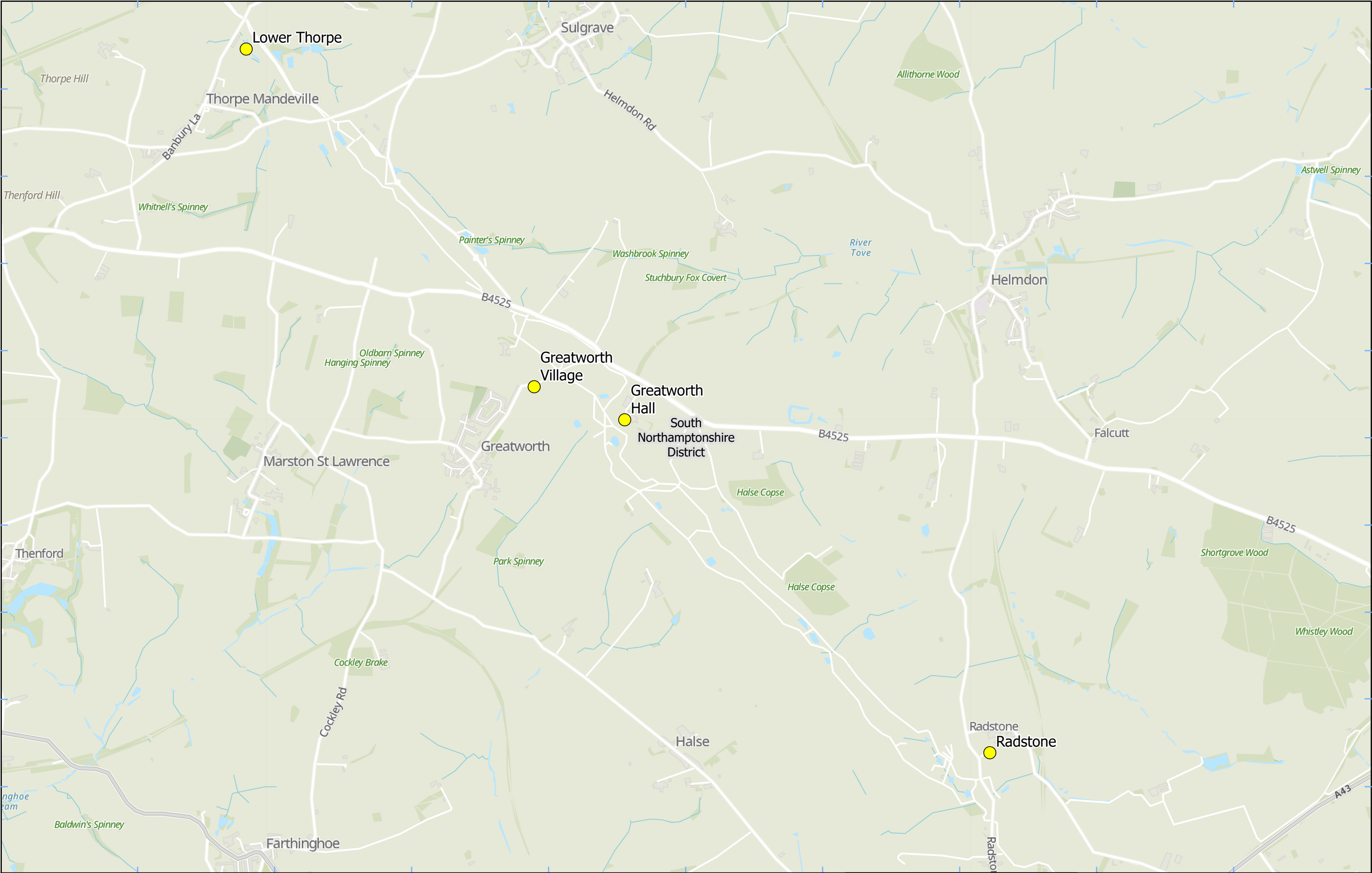


Scale at A3: 1:18,000



Metres

Date: 20/06/24



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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	8.0	1.0	121.0	0	99.3
CW Village	450000, 249367	Chipping Warden, West Northamptonshire	M	Yes	Yes	6.6	1.0	29.0	0	99.7
Lower Boddington	447997, 251865	Lower Boddington, West Northamptonshire	M	Yes	Yes	8.3	1.0	61.0	0	99.7
Fir Tree Nursery	447283, 252421	Fir Tree Nursery, West Northamptonshire	M	Yes	Yes	7.1	1.0	70.0	0	99.9
Radstone	458712, 240454	Radstone Road, Brackley, West Northamptonshire	M	Yes	Yes	6.7	1.0	32.0	0	94.8
Greatworth Village	455551, 242992	Greatworth Village, Helmdon Road,	M	Yes	Yes	7.7	1.0	34.0	0	98.9
Lower Thorpe	453553, 245334	Banbury Lane, Lower Thorpe	M	Yes	Yes	7.1	1.0	30.0	0	99.7
Greatworth Hall	456179, 242763	Greatworth Hall, Greatworth	M	Yes	Yes	10.0	1.0	119.0	0	99.5
Blackgrounds	450846, 248413	Blackgrounds, West Northamptonshire	M	Yes	Yes	7.1	1.0	34.0	0	99.6

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



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