

HS2

November
2025

Air Quality and Dust Monitoring Monthly Report – November 2025

Lichfield 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.

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 air quality and dust monitoring undertaken in Lichfield District Council (LDC) during November 2025.

1.1.2 Figures 1 and Figure 2 in Appendix A presents the current worksites together with the dust monitoring locations.

1.1.3 This summary should be read in conjunction with the overview monitoring report monthly 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, Figures 1 and 2, include:

Sublot 8.1

Whittington Common Cutting

- No works occurred in November 2025.

Swinfen Cutting South

- Construction of A5 overbridge.

Sublot 8.2

Streethay Area 6 works

- Road works and sheet pile installation
- Technical backfill installation.
- Excavation to road formation level.
- Road build-up including stone deliveries with lorries, stone removal with excavators, stone installation with excavators, compaction with roller and wacker plates.
- Asphalt installation on top of the deck with paver, compaction with roller, delivery with wagon.
- Installation of new sheet piles with leader rig fitted with vibro hammer and impact hammer. Pre-augering done with CFA rig. Liftings done with 70T crane.

Streethay Area 1 works

- Deliveries and collections, road sweepers, maintenance and strimming.

- Small items of plant used on site, including plate compacters, excavators and dumper, excavator and strimming machine.

Streethay Area 7 works

- Road Compound construction: excavation for foundation construction with excavator and dumper, compaction with roller, drainage, concrete pour.
- Maintenance with excavator, strimming machine, tractor.

Sublot 8.3

Streethay Area 1 works

- Deliveries and collections, road sweepers, maintenance and strimming.
- Small items of plant used on site, including plate compacters, excavators and dumper, excavator and strimming machine.

Streethay Area 6 works

- Road works and sheet pile installation
- Technical backfill installation.
- Excavation to road formation level.
- Road build-up including stone deliveries with lorries, stone removal with excavators, stone installation with excavators, compaction with roller and wacker plates.
- Asphalt installation on top of the deck with paver, compaction with roller, delivery with wagon.
- Installation of new sheet piles with leader rig fitted with vibro hammer and impact hammer. Pre-augering done with CFA rig. Liftings done with 70T crane.

Streethay Area 7 works

- Compound construction: excavation for foundation construction with excavator and dumper, compaction with roller, drainage, concrete pour.
- Maintenance with excavator, strimming machine, tractor.

Sublot 8.4

Shaw Lane Embankment

- Decommissioning works.

1.1.5 Eight (8) 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 the dust monitors 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

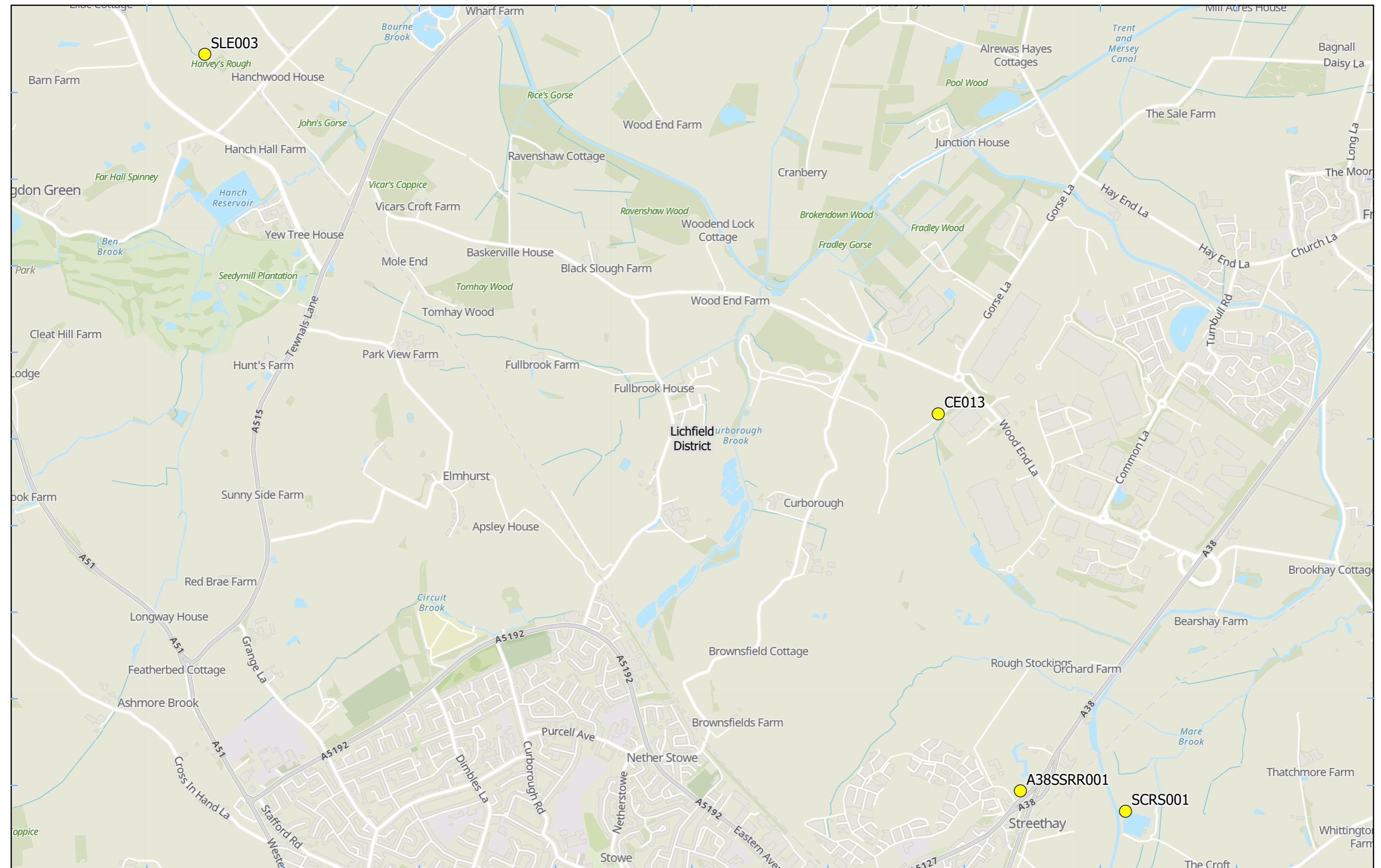
reference monitors, and therefore cannot be strictly compared with Air Quality Standards for human health and the environment. The purpose of the monitoring undertaken is to ensure the effectiveness of the on-site mitigation.

- 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 (November 2025).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
 - Monitor CE013 – A battery refresh took place on 2nd December 2025. After the site visit, the issues were resolved.
 - Monitor SCRS001 – A battery refresh took place on 25th November 2025. After the site visit, the issues were resolved.
 - Monitor WCC001 – A battery refresh is scheduled for 16th December 2025.
 - Monitor WCC002 – A battery refresh took place on 25th November 2025. After the site visit, the issues were resolved.
 - Monitor SCS001 – A battery refresh took place on 12th November 2025. After the site visit, the issues were resolved.
 - Monitor TRO001 - A battery refresh took place on 12th November 2025. After the site visit, the issues were resolved.
- 1.1.10 There were no (0) complaints received during the reporting period (November 2025).

Appendix A – Worksites and Monitoring Locations

Figures 1-2: Worksites and Monitoring Locations within LDC





Legend

Dust Monitor

District Borough Unitary Boundaries

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Contains data from OS Zoomstack

Map Number	
Map Name	Monitoring Locations In LDC (Sheet 1)
Lichfield District Council	



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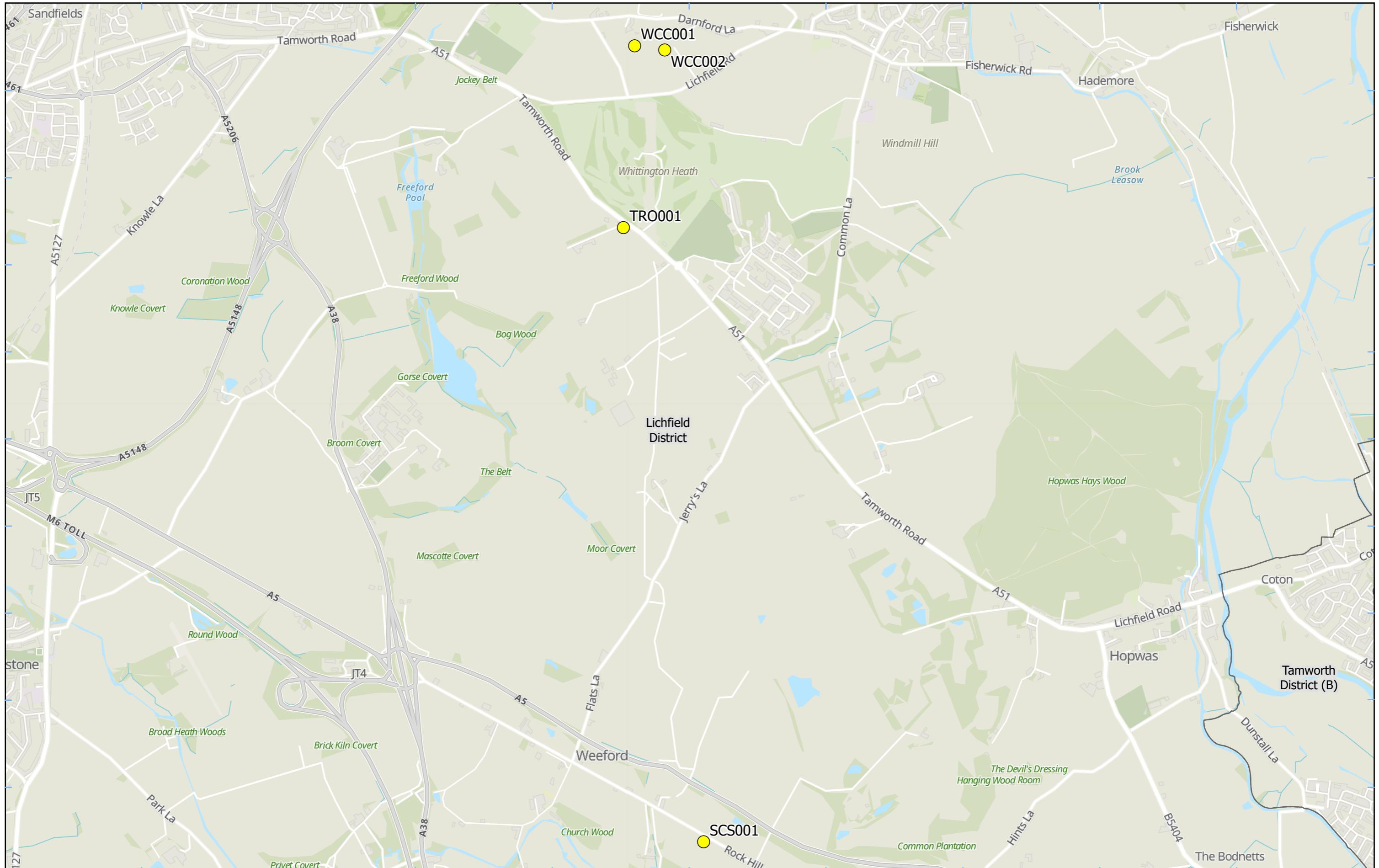
Lichfield District Council

Ordnance Survey

Scale at A3: 1:18,000



Metrics


Legend

● Dust Monitor

— District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations
In LDC (Sheet 2)

Lichfield District Council



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Metres

Date: 10/06/25

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	Data capture for Month (%)
SLE003	410077, 314464	New Farm Produce South, Shaw Lane Embankment	L	Yes	No	4.9	0.1	73.2	0	99.3
SCRS001	414895, 310500	Streethay Cutting Retaining Structure, King's Orchard Marina	M	Yes	No	10.0	0.1	118.6	0	46.9
A38SSRR001	414345, 310607	Thompson Way, Streethay, Fradley and Streethay	M	Yes	No	8.9	0.1	93.1	0	99.9
CE013	413915, 312581	Midlands Karting, Wood End Lane	L	Yes	No	6.1	0.1	63.1	0	88.6
WCC001	414682, 308298	Whittington Hill Farm, Darnford Lane	M	Yes	No	5.8	0.1	60.9	0	65.3
WCC002	414856, 308274	Ellfield House, Darnford House	M	Yes	No	5.1	0.1	47.8	0	77.8
SCS001	415081, 303691	The Lodge, Rock Hill	M	Yes	No	4.9	0.1	47.4	0	82.2
TRO001	414617, 307246	South Lodge	M	Yes	No	4.9	0.1	49.8	0	80.3

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

