

Air Quality and Dust Monitoring Monthly Report – August 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.

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

Swinfen Cutting South

- A5 Overbridge.
- Earthworks and Fibre-Reinforced Concrete (FRC) works.

Sublot 8.2

Streethay Area 3/4/5/6 works

- Platform maintenance with stone deliveries lorries, stone removal and installation with use of excavator, compaction with roller and wacker plates.
- FRC works
- Construction of A38 Rykneld Street Overbridge.
- Deliveries with wagon (such as steel, tools and containers), offloading with 90 tonne crane, items lifting with 90 tonne crane and forklift.
- Formwork make up and installation.
- Carpentry works.
- Concrete deliveries and installation with pump, compaction with vibrating tool.

Streethay Area 1 works

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

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

Sublot 8.3

Streethay Area 3/4/5/6 works

- Platform maintenance with stone deliveries lorries, stone removal and installation with use of excavator, compaction with roller and wacker plates.
- FRC works
- Construction of A38 Rykneld Street Overbridge.
- Deliveries with wagon (such as steel, tools and containers), offloading with 90 tonne crane, items lifting with 90 tonne crane and forklift.
- Formwork make up and installation.
- Carpentry works.
- Concrete deliveries and installation with pump, compaction with vibrating tool.

Streethay Area 1 works

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

Sublot 8.3

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 (August 2025).

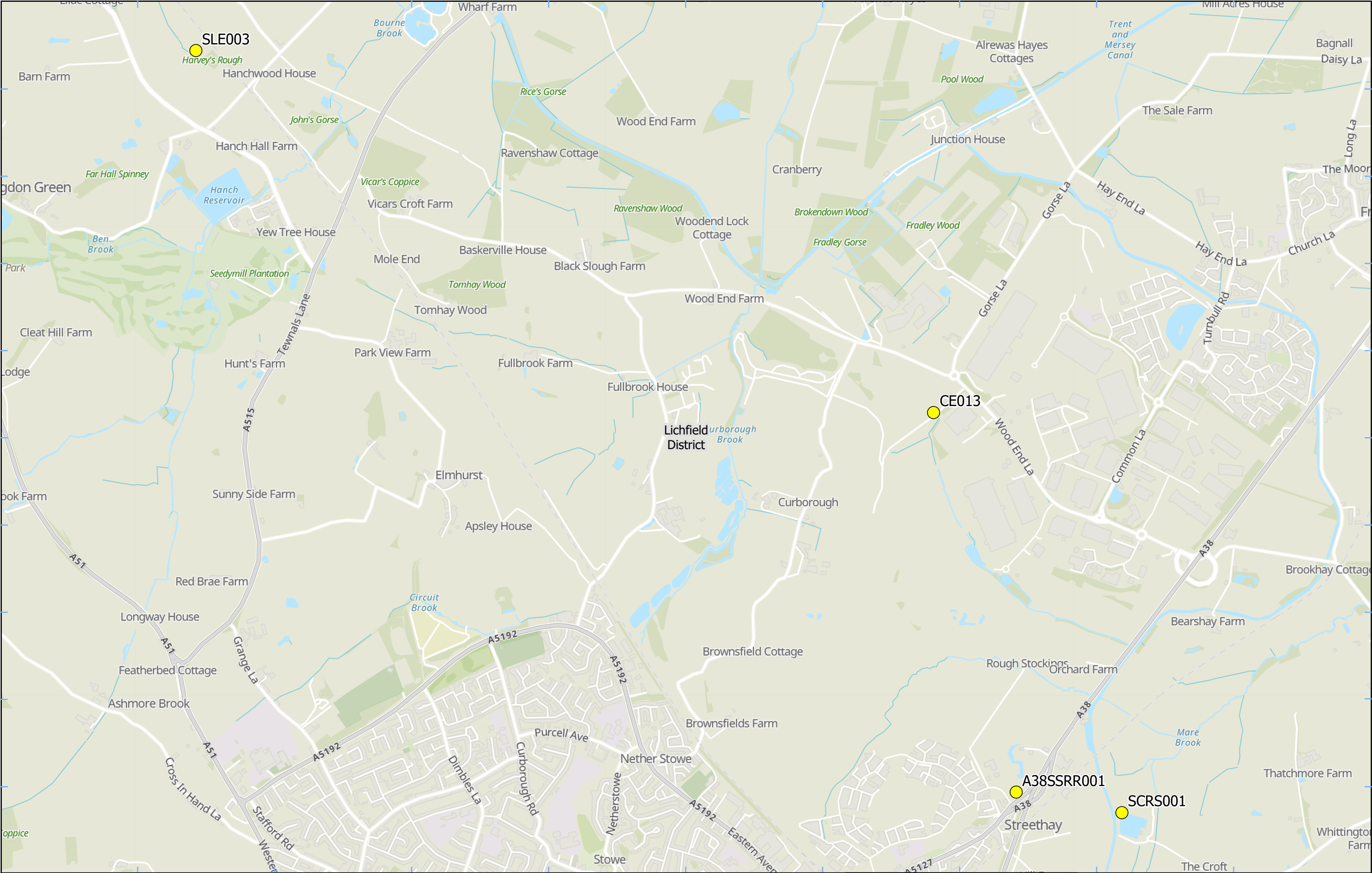
1.1.9 Data capture was below 90% for multiple monitors due to:

- Monitor SCRS001 – A field calibration was done on 15th August 2025, and a monitor swap out was done on 4th September 2025. After these site visits, the technical issues were resolved.
- Monitor WCC001 - A field calibration was done on 13th August 2025, and a monitor swap out was done on 28th August 2025. After these site visits, the technical issues were resolved.

1.1.10 There were no (0) complaints received during the reporting period (August 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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Map Number
Map Name
Monitoring Locations In LDC (Sheet 1)
Lichfield District Council

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway,
Birmingham B4 6GA.

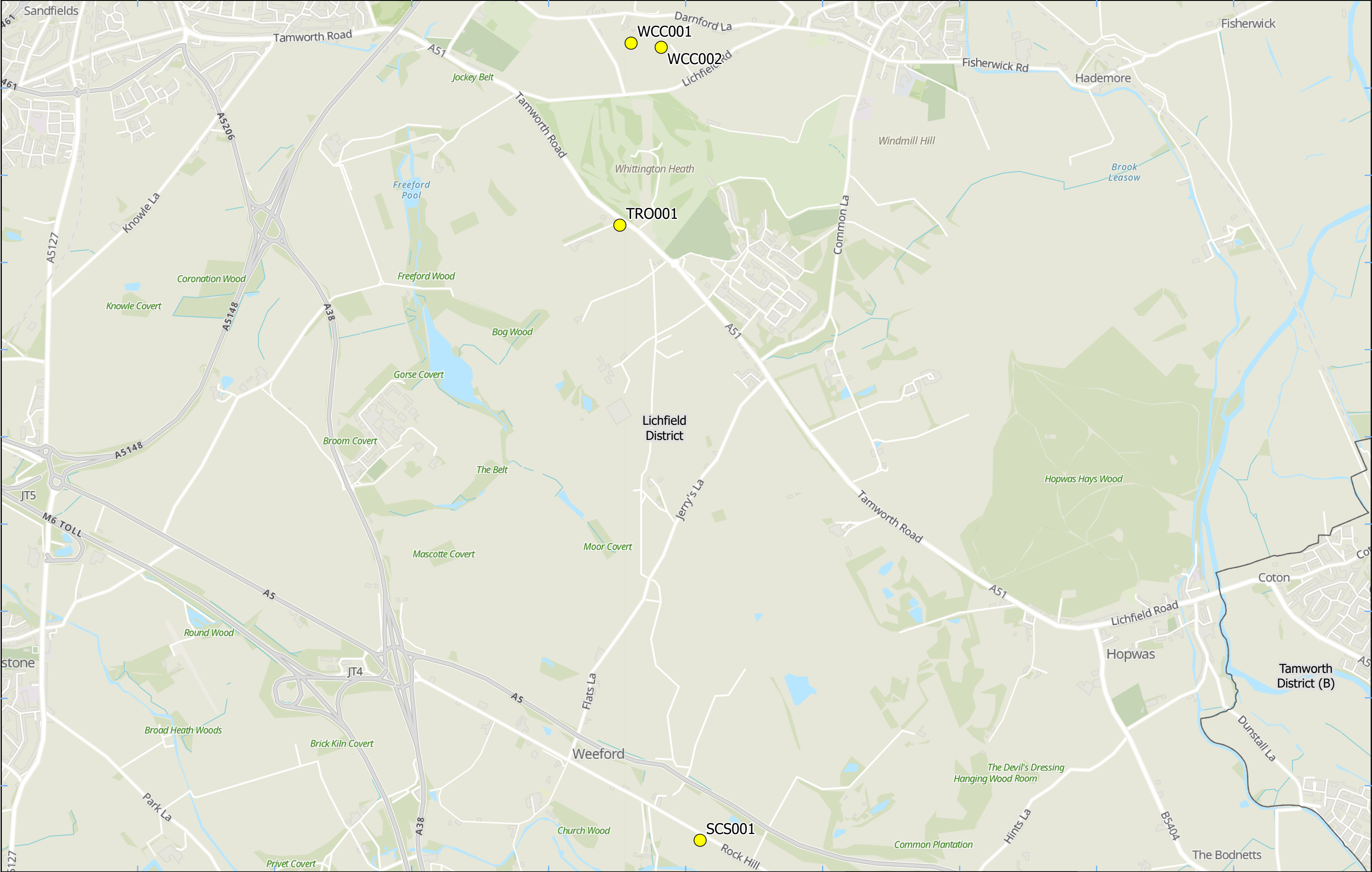
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Doc Number:

Scale at A3: 1:18,000

Metres

Date: 19/12/24



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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Birmingham B4 6GA.

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Doc Number:

Scale at A3: 1:20,000

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	7.0	0.4	31.7	0	100.0
SCRS001	414895, 310500	Streethay Cutting Retaining Structure, King's Orchard Marina	M	Yes	No	7.3	0.6	23.6	0	70.6
A38SSRR001	414345, 310607	Thompson Way, Streethay, Fradley and Streethay	M	Yes	No	7.2	0.2	27.9	0	100.0
CE013	413915, 312581	Midlands Karting, Wood End Lane	L	Yes	No	6.6	0.2	28.3	0	100.0
WCC001	414682, 308298	Whittington Hill Farm, Darnford Lane	M	Yes	No	5.9	0.1	22.7	0	51.3
WCC002	414856, 308274	Ellfield House, Darnford House	M	Yes	No	5.8	0.2	20.3	0	100.0
SCS001	415081, 303691	The Lodge, Rock Hill	M	Yes	No	6.2	0.1	33.4	0	100.0
TRO001	414617, 307246	South Lodge,	M	Yes	No	5.7	0.1	22.2	0	100.0

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



