

Air Quality and Dust Monitoring Monthly Report – June 2026

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 June 2026.
- 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 June 2026.

Swinfen Cutting South

- No works occurred in June 2026.

Sublot 8.2

Streethay Area 1 works

- Excavation (with excavator to expose the piles, and removal of arisings with lorries) and pile cropping (with 5 tonne excavator with breaker, 40 tonne excavator, drilling tool, milling tool and link cropper).

Streethay Area 7 works

- Piling works including excavation with piling rig, installation and removal of casings, use of crane for different lifting activities, concrete deliveries, cages deliveries and other, and removal of arisings with excavator and lorries.
- Retaining structure construction including excavation with excavators, compaction with rollers, removal of ground with ADTs, pile cropping with breakers and milling tool.

Sublot 8.3

Streethay Area 1 works

- Excavation (with excavator to expose the piles, and removal of arisings with lorries) and pile cropping (with 5 tonne excavator with breaker, 40 tonne excavator, drilling tool, milling tool and link cropper).

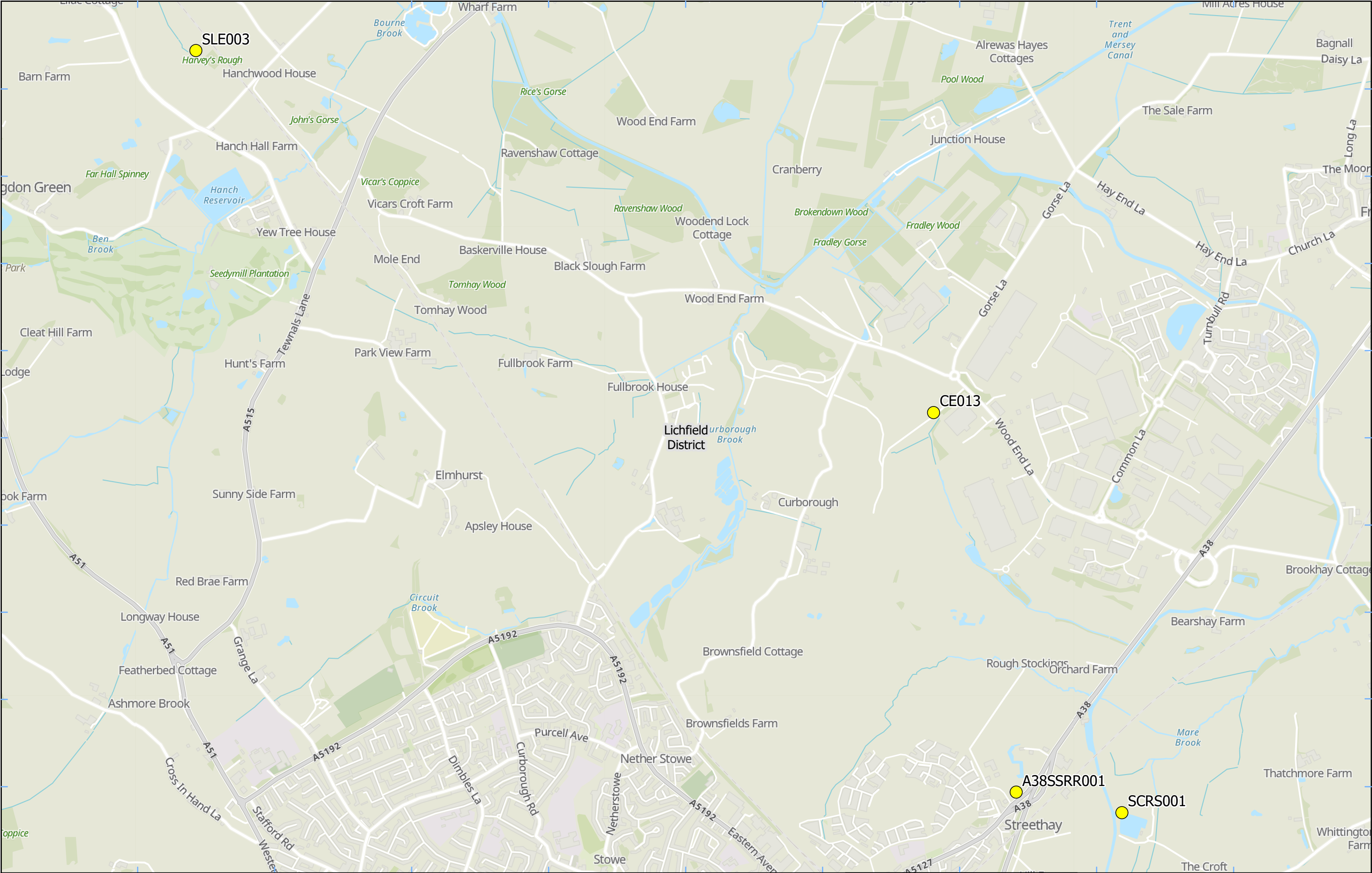
Streethay Area 7 works

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- Retaining structure construction including excavation with excavators, compaction with rollers, removal of ground with ADTs, pile cropping with breakers and milling tool.

- 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 (June 2026).
- 1.1.9 Data capture was below 90% at monitors SCRS001, WCC001, WCC002 and TRO001 due to technical issues; SCRS001, WCC001 and WCC002 were resolved following monitor replacements on 9 June 2026, 29 June 2026 and 16 June 2026, respectively, while the issue at TRO001 is currently being resolved remotely. Due to the late replacement of monitor WCC001 during the reporting period, insufficient validated data were available for inclusion in this month's report.
- 1.1.10 There were no (0) complaints received during the reporting period (June 2026).

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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Registered office: 2 Snowhill, Queensway,
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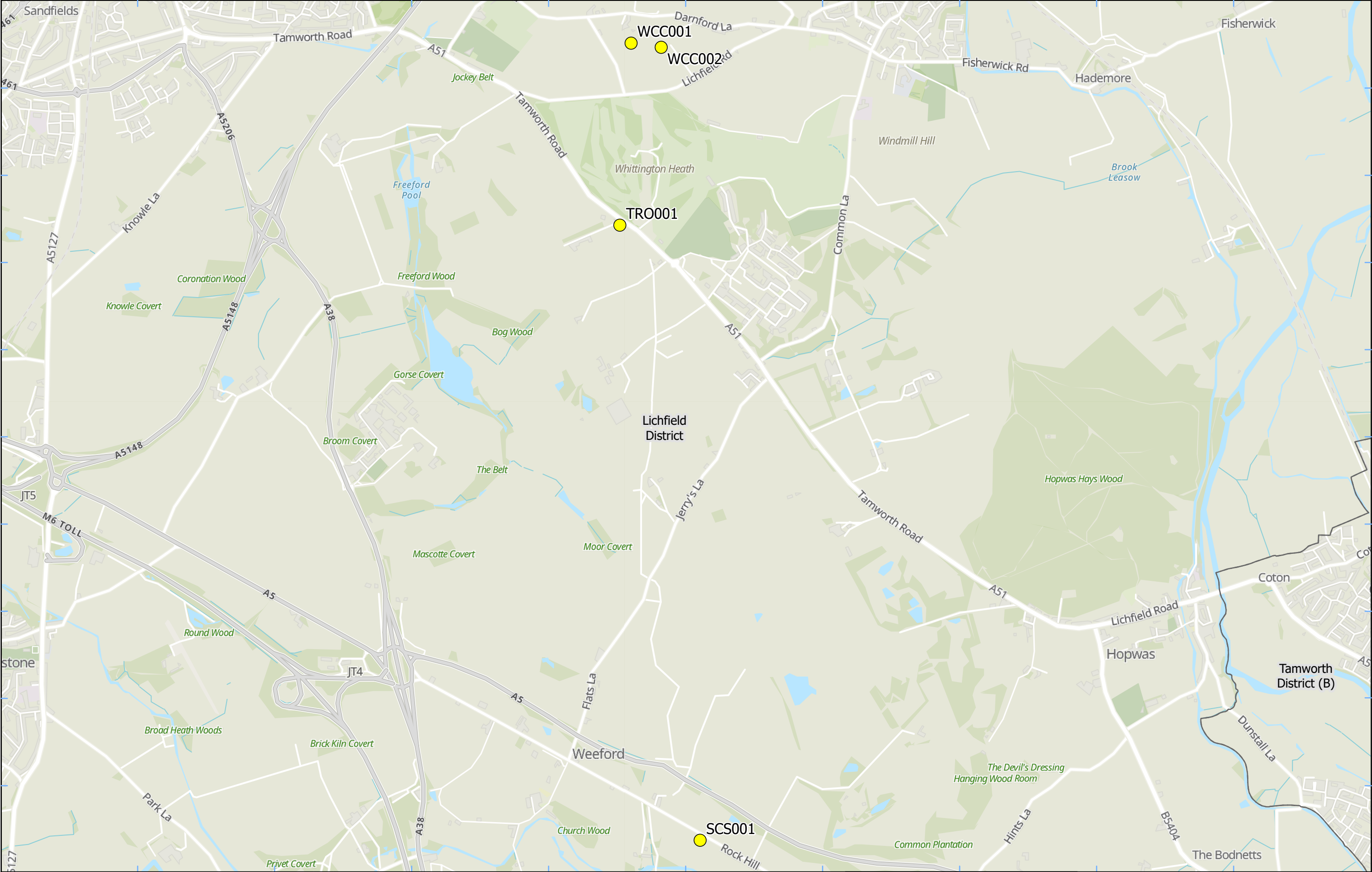


Scale at A3: 1:18,000



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)**

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Scale at A3: 1:20,000

Metres

Date: 10/06/25

Appendix B – Dust Monitoring Results

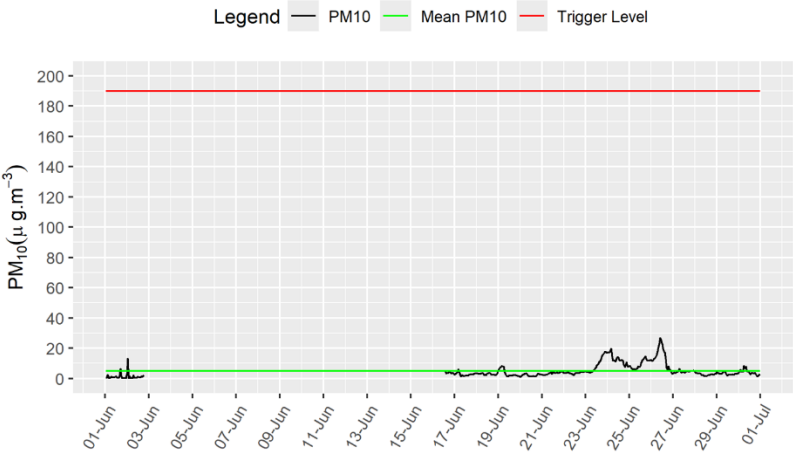
Table 1: Dust Monitoring Locations and Results

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	3.6	0.1	25.0	0	100.0
SCRS001	414895, 310500	Streethay Cutting Retaining Structure, King's Orchard Marina	M	Yes	No	3.6	0.1	20.5	0	71.4
A38SSRR001	414345, 310607	Thompson Way, Streethay, Fradley and Streethay	M	Yes	No	4.5	0.3	25.4	0	100.0
CE013	413915, 312581	Midlands Karting, Wood End Lane	L	Yes	No	1.1	0.1	11.7	0	99.7
WCC001	414682, 308298	Whittington Hill Farm, Darnford Lane	M	Yes	No	-	-	-	-	-
WCC002	414856, 308274	Ellfield House, Darnford House	M	Yes	No	5.1	0.1	26.8	0	54.2
SCS001	415081, 303691	The Lodge, Rock Hill	M	Yes	No	4.2	0.1	24.3	0	100.0
TRO001	414616, 307247	South Lodge	L	Yes	No	2.7	0.1	10.3	0	52.5

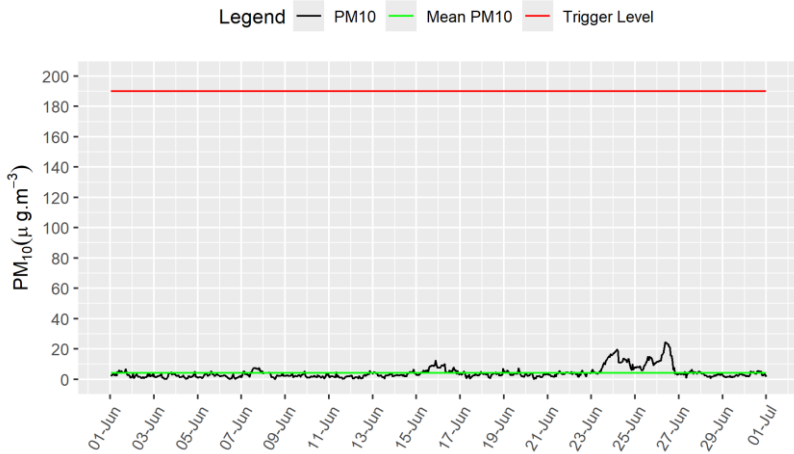
Figure 3: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



WCC002



SCS001



TRO001

