

Air Quality and Dust Monitoring Monthly Report – July 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 July 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 July 2025.

Swinfen Cutting South

- A5 Overbridge Excavation.
- A5 Overbridge: Breaking up of guide wall.
- A5 Overbridge: Subcontractor mobilisation.

Sublot 8.2

Streethay Area 3/4/5/6 works

- Platform maintenance with stone delivery lorries, stone removal and installation with use of excavator, and compaction with roller and wacker plates.
- Fibre-Reinforced Concrete (FRC) works.
- Construction of A38 Rykneld Street Overbridge.
- Deliveries with wagon (steel, tools and containers).
- Offloading with 90 tonne crane.
- Items lifting with 90 tonne crane and forklift.
- Formwork make up and installation (involving carpentry works).
- Concrete deliveries and installation with pump and compaction with vibrating tool.

Streethay Area 1 works

- Deliveries and collections.
- Road sweepers.
- Maintenance.
- Strimming.
- Small items of plants used including: plate compactors, excavators, dumpers and strimming machine.

Sublot 8.3

Streethay Area 3/4/5/6 works

- Platform maintenance with stone delivery lorries, stone removal and installation with use of excavator, and compaction with roller and wacker plates.
- Fibre-Reinforced Concrete (FRC) works.
- Construction of A38 Rykneld Street Overbridge.
- Deliveries with wagon (steel, tools and containers).
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Streethay Area 1 works

- Deliveries and collections.
- Road sweepers.
- Maintenance.
- Strimming.
- Small items of plants used including: plate compactors, excavators, dumpers and strimming machine.

Sublot 8.4

Shaw Lane Embankment

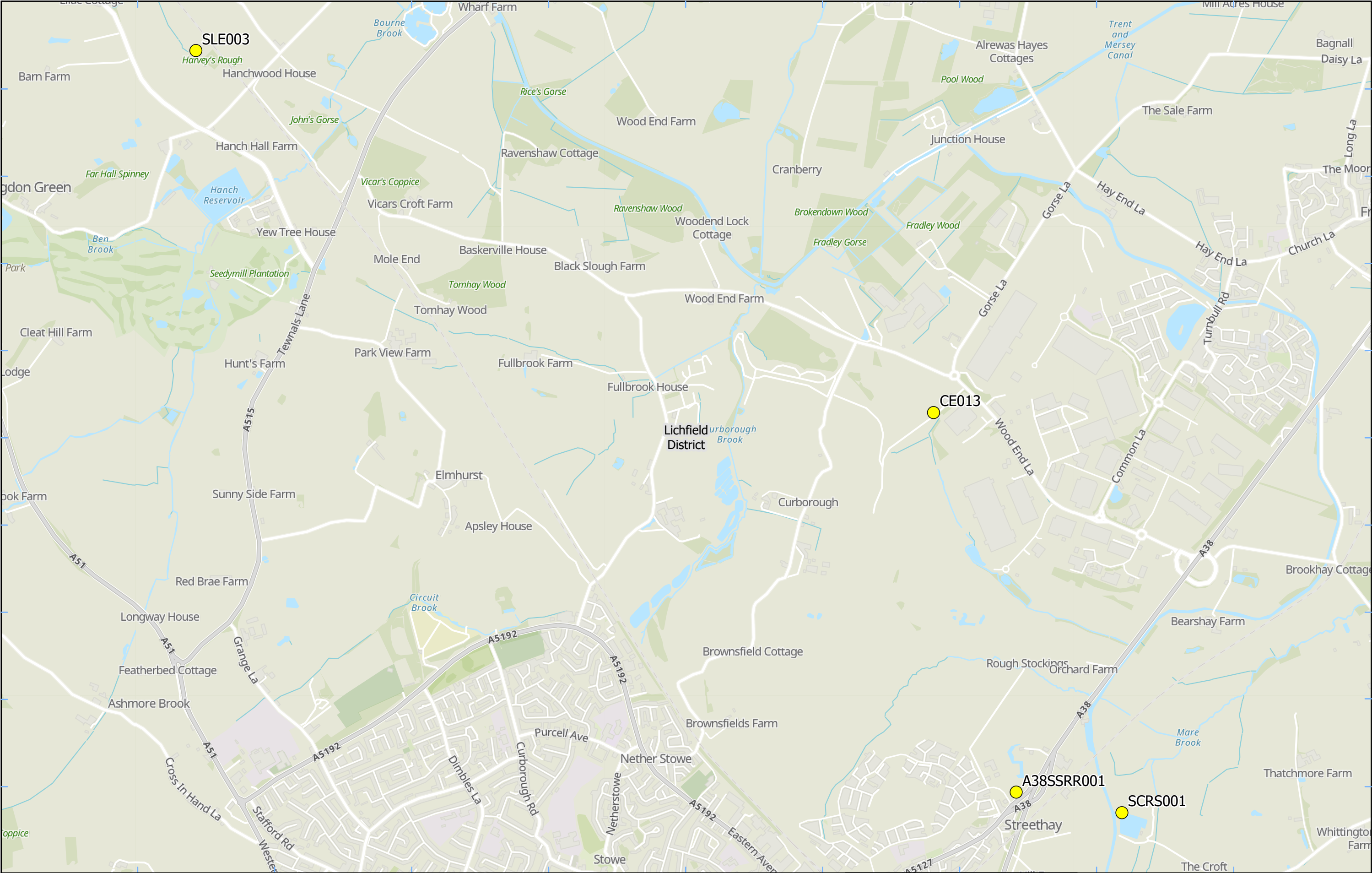
- Stockpiling materials from Curzon Street.

- 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 (July 2025).
- 1.1.9 Data capture was below 90% for SCRS001 monitor due to a monitor swap out was done on 10th July 2025. After this site visit, the technical issues were resolved.
- 1.1.10 There were no (0) complaints received during the reporting period (July 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

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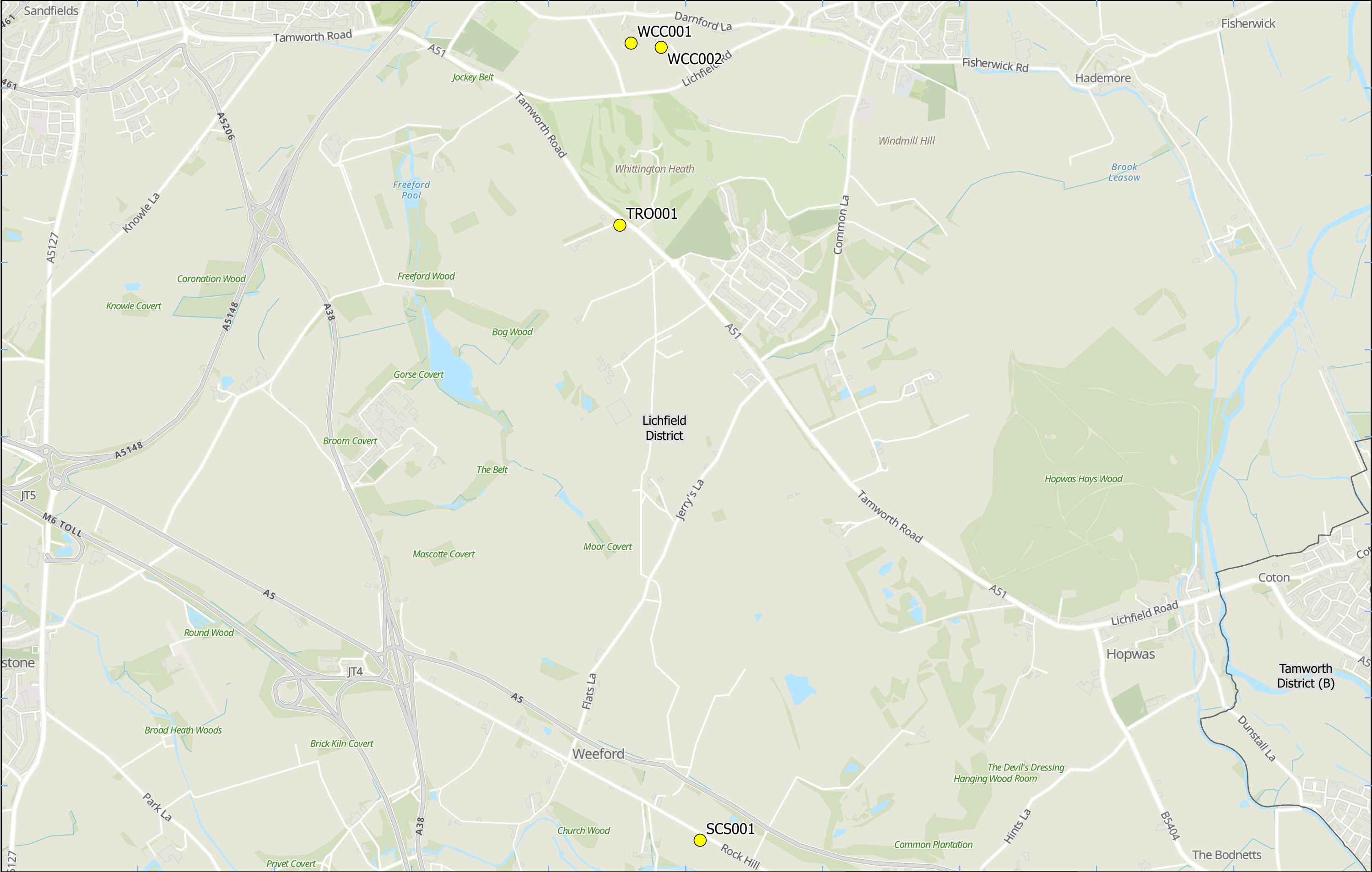
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Scale at A3: 1:18,000

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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Metres

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Appendix B – Dust Monitoring Results

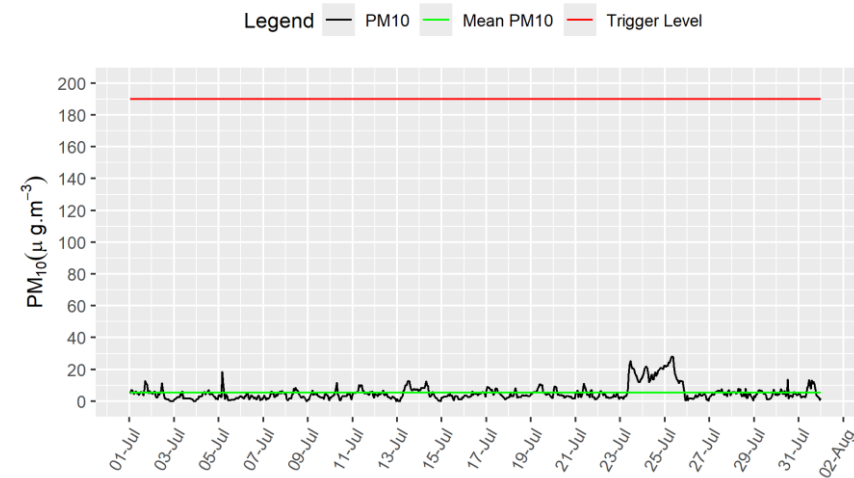
Table 1: Dust Monitoring Locations and Results

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	Data capture for Month (%)
SLE003	410077, 314464	New Farm Produce South, Shaw Lane Embankment	L	Yes	No	6.7	0.1	30.8	0	100.0
SCRS001	414895, 310500	Streethay Cutting Retaining Structure, King's Orchard Marina	M	Yes	No	7.0	1.3	27.0	0	69.0
A38SSRR001	414345, 310607	Thompson Way, Streethay, Fradley and Streethay	M	Yes	No	6.9	0.1	42.6	0	99.5
CE013	413915, 312581	Midlands Karting, Wood End Lane	L	Yes	No	5.5	0.1	26.7	0	100.0
WCC001	414682, 308298	Whittington Hill Farm, Darnford Lane	M	Yes	No	5.3	0.1	28.0	0	99.5
WCC002	414856, 308274	Ellfield House, Darnford House	M	Yes	No	5.1	0.6	25.8	0	100.0
SCS001	415081, 303691	The Lodge, Rock Hill	M	Yes	No	5.5	0.1	26.0	0	100.0
TRO001	414617, 307246	South Lodge	M	Yes	No	6.0	0.1	24.4	0	100.0

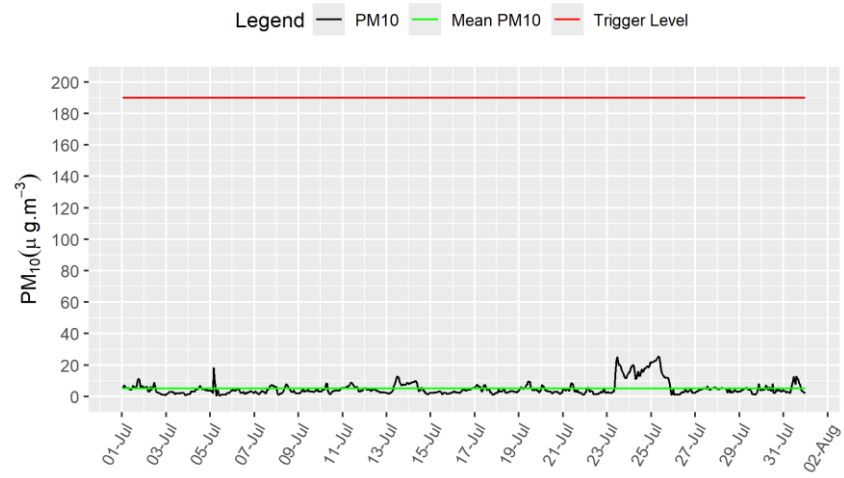
Figure 3: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



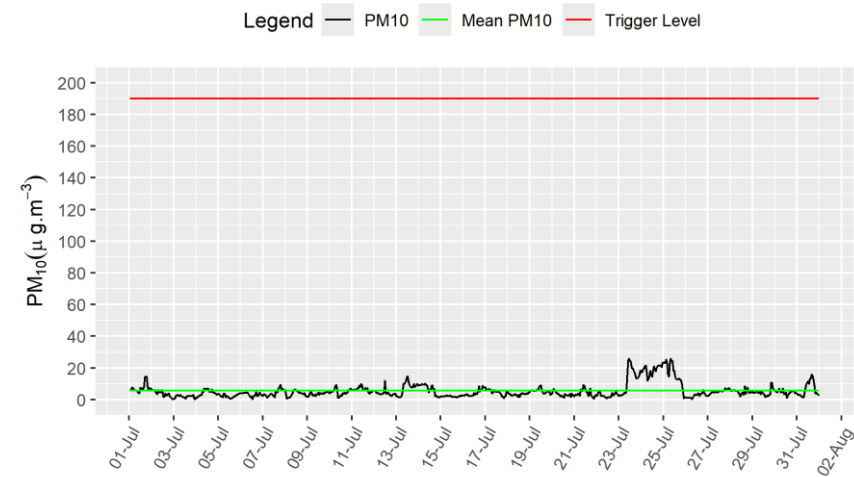
WCC001



WCC002



SCS001



TRO001

