

Air Quality and Dust Monitoring Monthly Report – January 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.

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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 January 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 BBV works took place during January 2026.

Swinfen Cutting South

- No BBV works took place during January 2026.

Sublot 8.2

Streethay Area 1 works

- Excavation and pile cropping.

Streethay Area 6 works

- Road works.

Streethay Area 7 works

- Piling works.

Sublot 8.3

Streethay Area 1 works

- Excavation and pile cropping.

Streethay Area 6 works

- Road works.

Streethay Area 7 works

- Piling works.

Sublot 8.4

Shaw Lane Embankment

- No works occurred during January 2026.

- 1.1.5 Eight (8) dust monitors are installed around these worksites, where works are underway. These sites returned a negligible to medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 2, 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 Following a decrease in earthwork activities across sites, the Dust Risk Assessments (DRAs) were reviewed in December 2025. The monitors within worksites whereby the risk rating changed from medium to low, or where there has been a reduction in earthwork activity, have been removed from reporting until earthwork activities are scheduled to resume in April 2026, at which time DRAs will be reassessed. The monitors within worksites returning a low dust risk rating and removed from reporting are listed below:
- Monitor TRO001.
 - Monitor WCC001.
 - Monitor WCC002.
 - Monitor SCS001.
- 1.1.9 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 3.
- 1.1.10 Data capture was below 90% for multiple monitors due to:
- CE013 experienced power supply issues during the monitoring period. A battery refresh took place on 28th January 2026. After the site visit, the issues were resolved.

- SCRS001 experienced power supply issues during the monitoring period. A battery refresh took place on 15th January 2026. After the site visit, the issues were resolved.
- SLE003 experienced power supply issues during the monitoring period. A battery refresh took place on 5th February 2026. After the site visit, the issues were resolved.

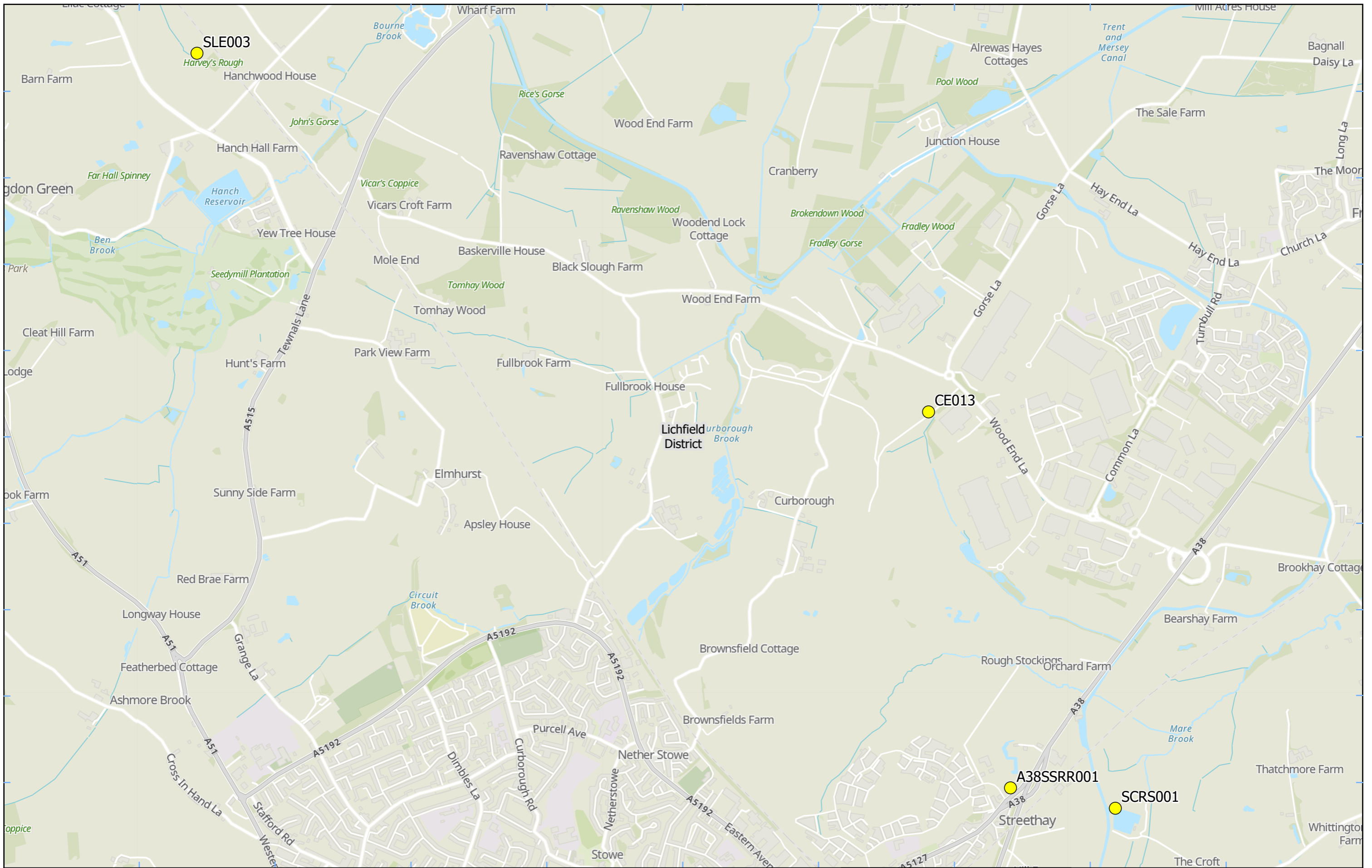
1.1.11 Table 1 provides a summary of the complaint information relating to dust or air quality received during the reporting period, together with the findings of any related investigations.

Table 1: Summary of complaints received during January 2026

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-26-47033-C	N/A	Continuous dust and dirt in the area.	All works in the area are approved by local authority, and a range of mitigation measures are in place including Dust suppression techniques such as damping down work areas and haul roads, continuous monitoring of wind speed, wind direction, and dust levels, use of natural or artificial windbreaks, suspension of earthmoving activities during high winds. No exceedances have been breached. Resident has been updated.

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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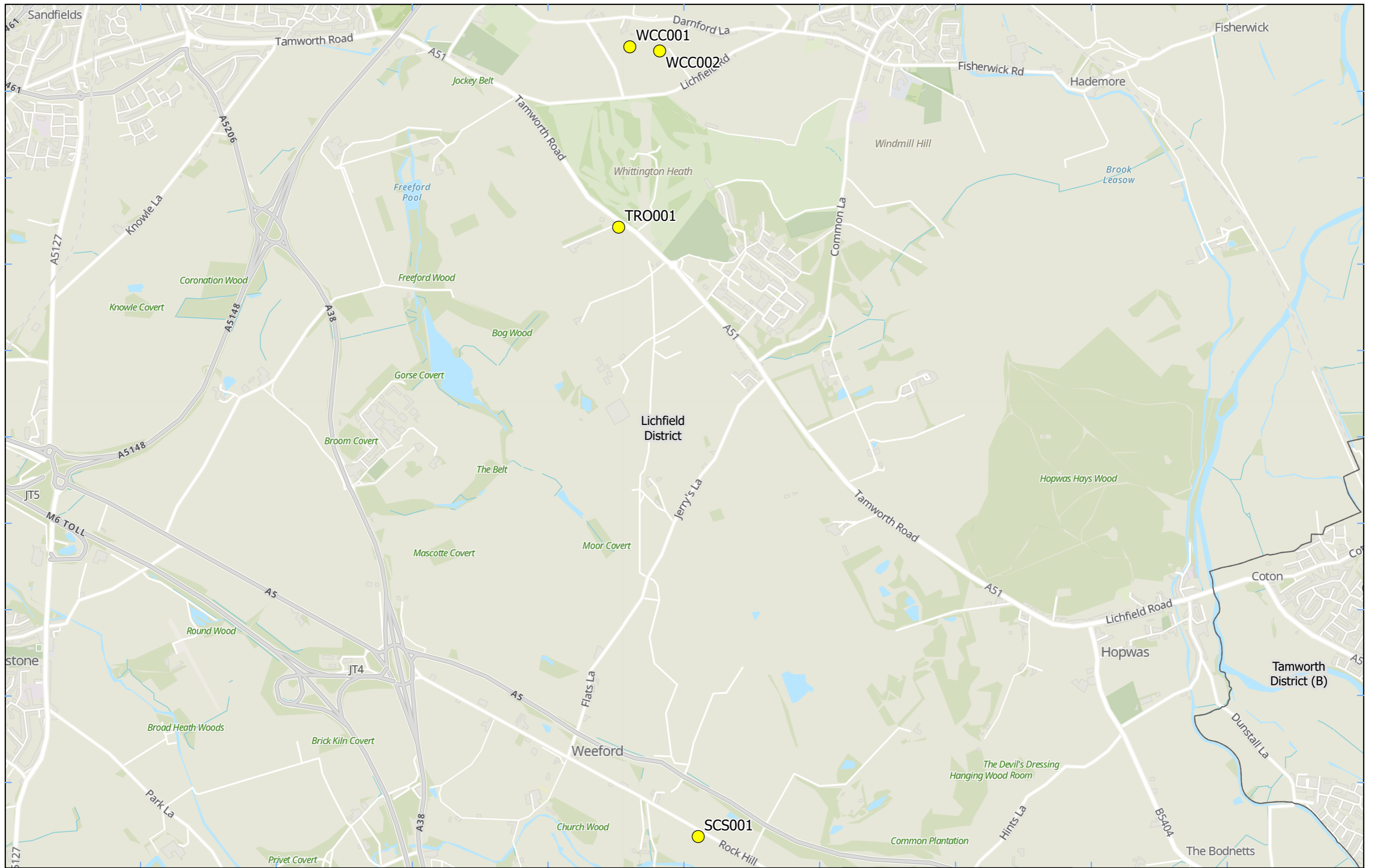
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Legend

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Map Number

Map Name
**Monitoring Locations
In LDC (Sheet 2)**

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Appendix B – Dust Monitoring Results

Table 2: 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	7.3	0.1	38.8	0	72.7
SCRS001	414895, 310500	Streethay Cutting Retaining Structure, King's Orchard Marina	M	Yes	No	17.7	0.1	208.7	1	65.1
A38SSRR001	414345, 310607	Thompson Way, Streethay, Fradley and Streethay	M	Yes	No	12.7	0.2	55.0	0	97.7
CE013	413915, 312581	Midlands Karting, Wood End Lane	L	Yes	No	7.7	0.1	34.6	0	54.4

Table 3: Summary of exceedances during period (January 2026)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
SCRS001	28/01/2026 17:01 - 18:00; 208.7 µg/m ³	Occurred outside of BBV construction hours and was not associated with BBV construction works activities.	N/A

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

