HS2

August 2026

# Air Quality and Dust Monitoring Monthly Report – August 2026

## Lichfield District Council

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Department for Transport

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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 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 August 2026.

Swinfen Cutting South

- No works occurred in August 2026.

**Sublots 8.2 and 8.3**

Streethay Area 1 works

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

Streethay Areas 3 and 6 works

- Road works and landscape works.
- Footpath and Vehicle Restrict System foundation construction: concrete works, delivery with wagon, use of excavator to place the concrete in some areas.
- Landscape works including excavation, concrete breaking, removal and deliveries with lorries.

1.1.5 Seven (7) 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.

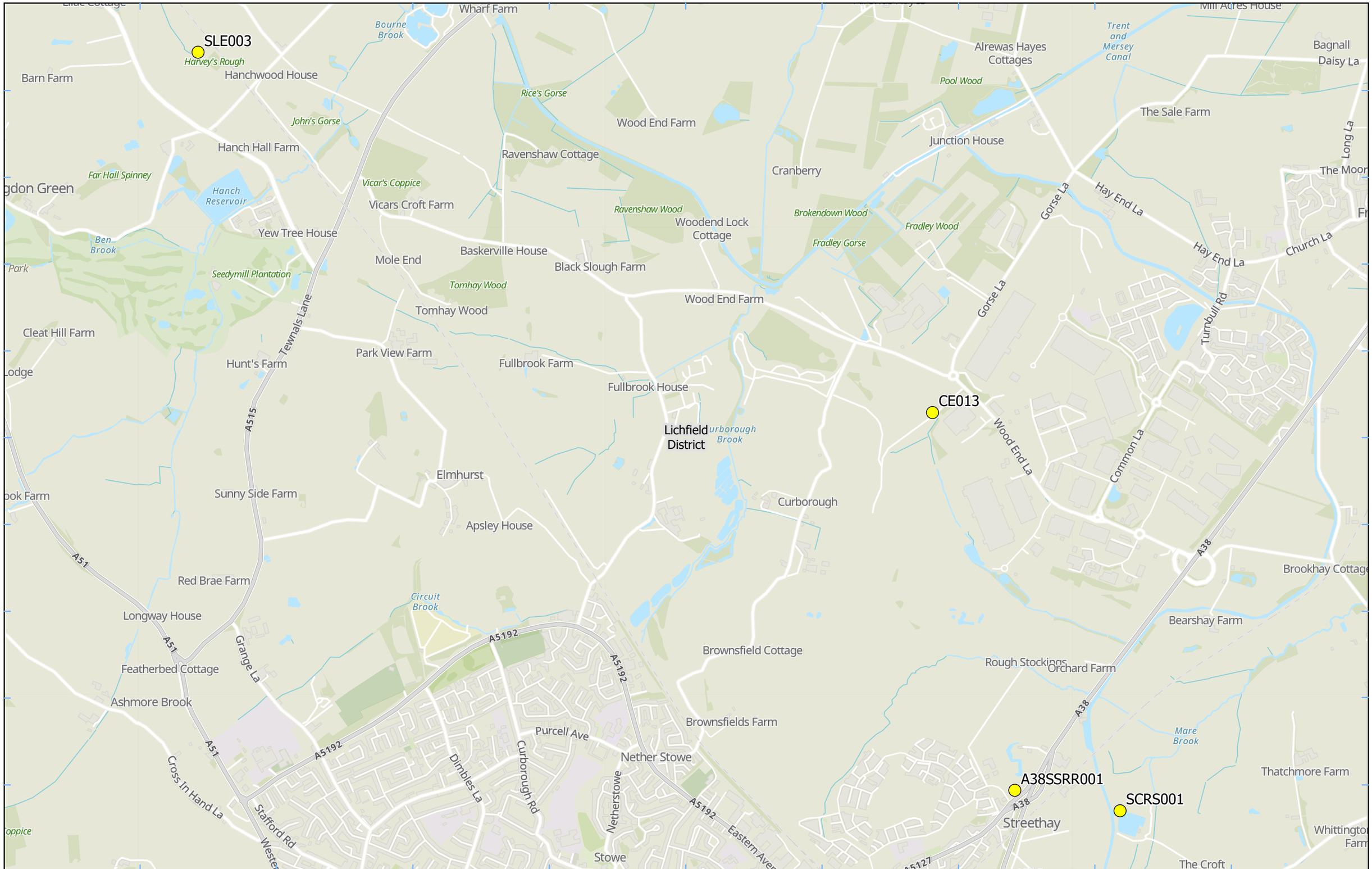
1.1.7 The trigger level for $PM_{10}$ concentrations of 190 µg/$m^3$, over a 1-hour period, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.

1.1.8 No (0) dust trigger alerts were recorded during the monitoring period (August 2026).

1.1.9 There were no (0) complaints received during the reporting period (August 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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Map Number

Map Name

Monitoring Locations
In LDC (Sheet 1)

Lichfield District Council

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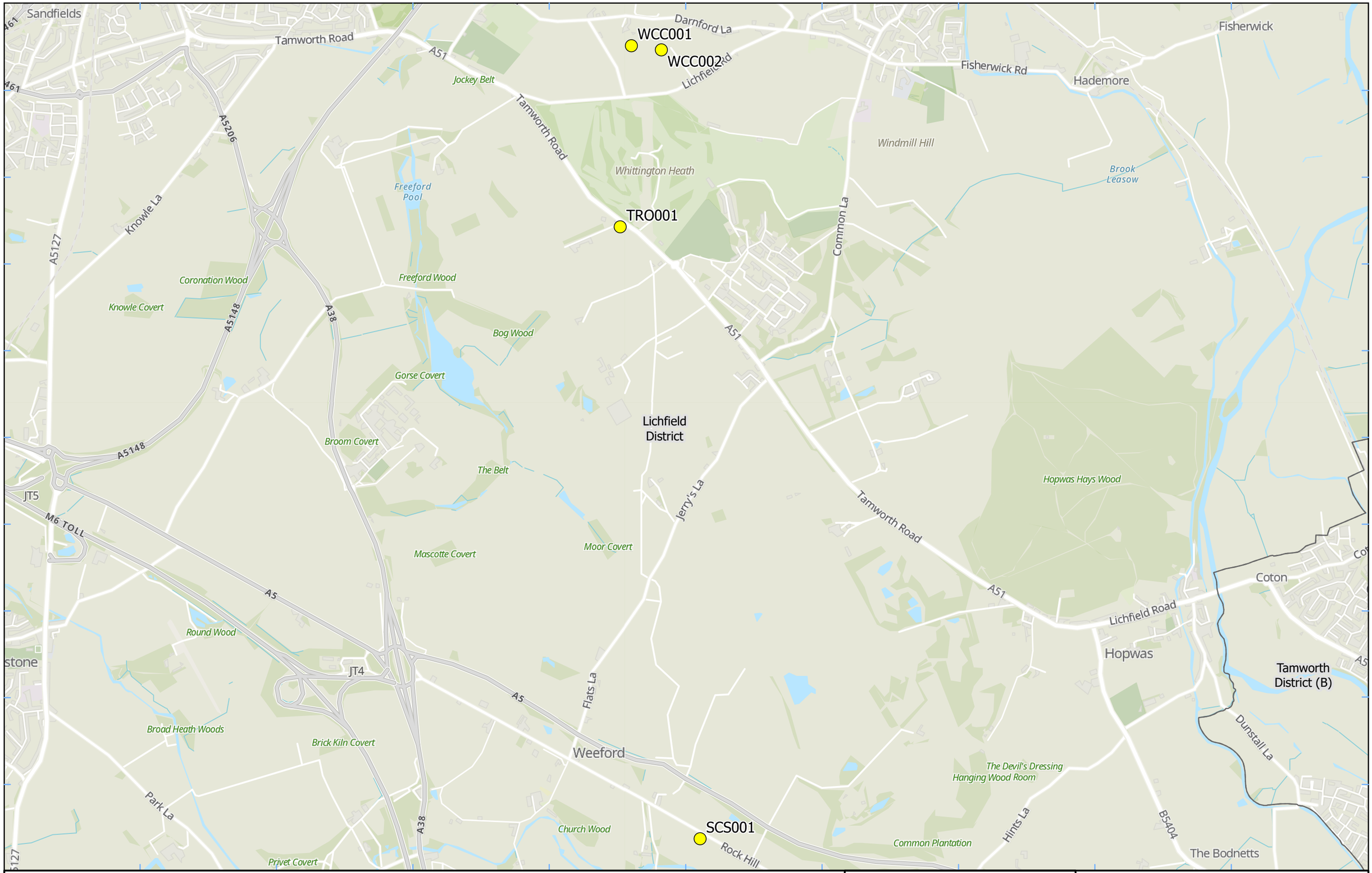
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Metres

**Doc Number:**

**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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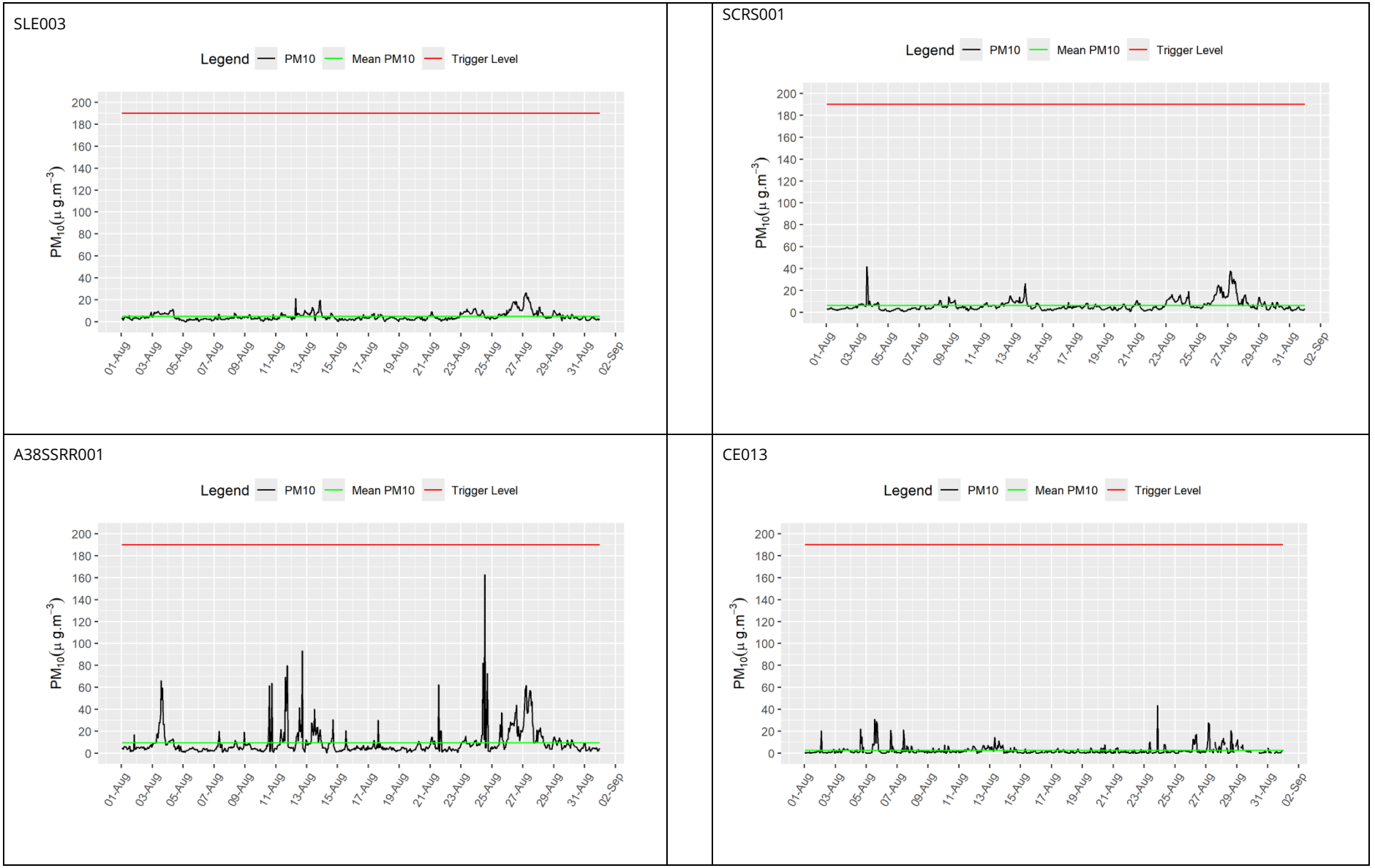
**Date:** 10/06/25

# Appendix B – Dust Monitoring Results

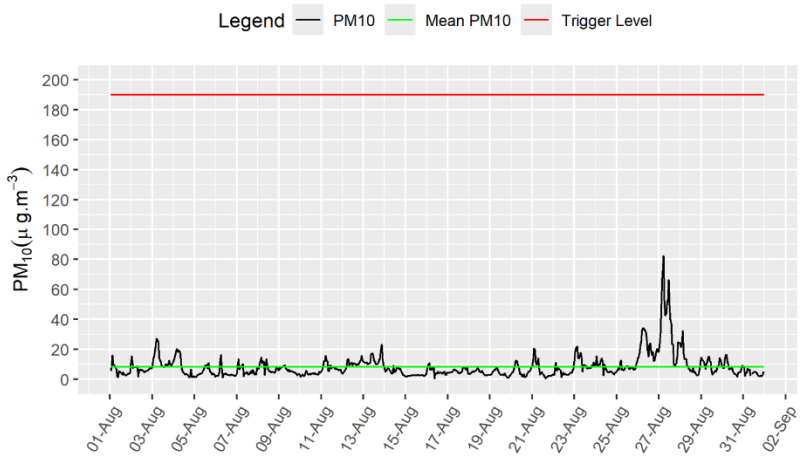
Table 1: Dust Monitoring Locations and Results

| 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 ($\mu g/m^3$) | Minimum 1-hour $PM_{10}$ concentration ($\mu g/m^3$) | Maximum 1-hour $PM_{10}$ concentration ($\mu g/m^3$) | Number of 1- hour periods exceeding trigger level of 190 $\mu g/m^3$ | Data capture for Month (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| SLE003 | 410077, 314464 | New Farm Produce South, Shaw Lane Embankment | L | Yes | No | 5.0 | 0.1 | 26.4 | 0 | 100.0 |
| SCRS001 | 414895, 310500 | Streethay Cutting Retaining Structure, King's Orchard Marina | M | Yes | No | 6.5 | 0.9 | 41.7 | 0 | 100.0 |
| A38SSRR001 | 414345, 310607 | Thompson Way, Streethay, Fradley and Streethay | M | Yes | No | 9.6 | 0.3 | 162.6 | 0 | 100.0 |
| CE013 | 413915, 312581 | Midlands Karting, Wood End Lane | L | Yes | No | 2.6 | 0.1 | 43.4 | 0 | 96.6 |
| WCC001 | 414682, 308298 | Whittington Hill Farm, Darnford Lane | M | Yes | No | 8.4 | 0.6 | 82.5 | 0 | 99.9 |
| WCC002 | 414856, 308274 | Ellfield House, Darnford House | M | Yes | No | 5.1 | 0.5 | 26.3 | 0 | 100.0 |
| SCS001 | 415081, 303691 | The Lodge, Rock Hill | M | Yes | No | 7.1 | 0.3 | 30.5 | 0 | 100.0 |
| TRO001 | 414616, 307247 | South Lodge | L | Yes | No | 6.3 | 1.4 | 37.5 | 0 | 100.0 |

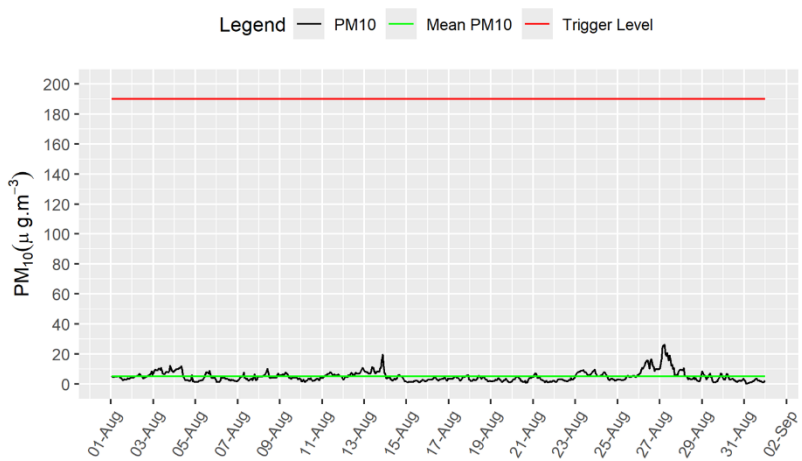
Figure 3: Construction dust 1-hour mean indicative $PM_{10}$ concentration for all dust monitors



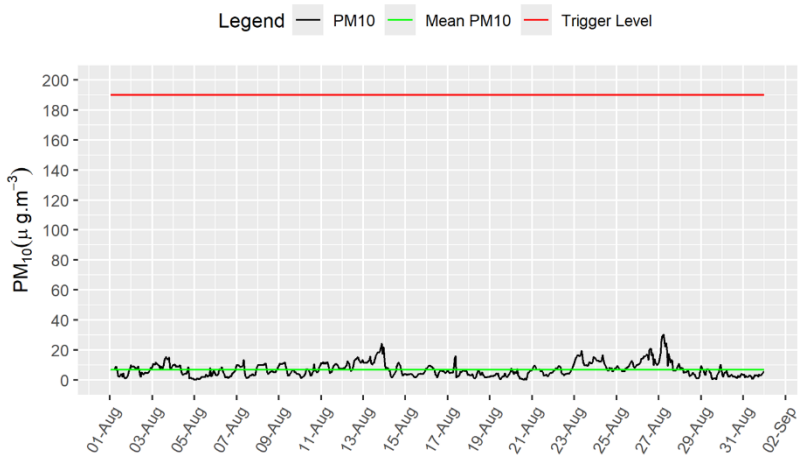
WCC001




WCC002




SCS001




TRO001

