HS2

July 2026

Air Quality and Dust Monitoring Monthly Report – July 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 July 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 July 2026.

Swinfen Cutting South

- No works occurred in July 2026.

Sublots 8.2 and 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 Areas 3 and 6 works

- Footpath and VRS 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.

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 8.4

Shaw Lane Embankment

- No works occurred in July 2026.

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.

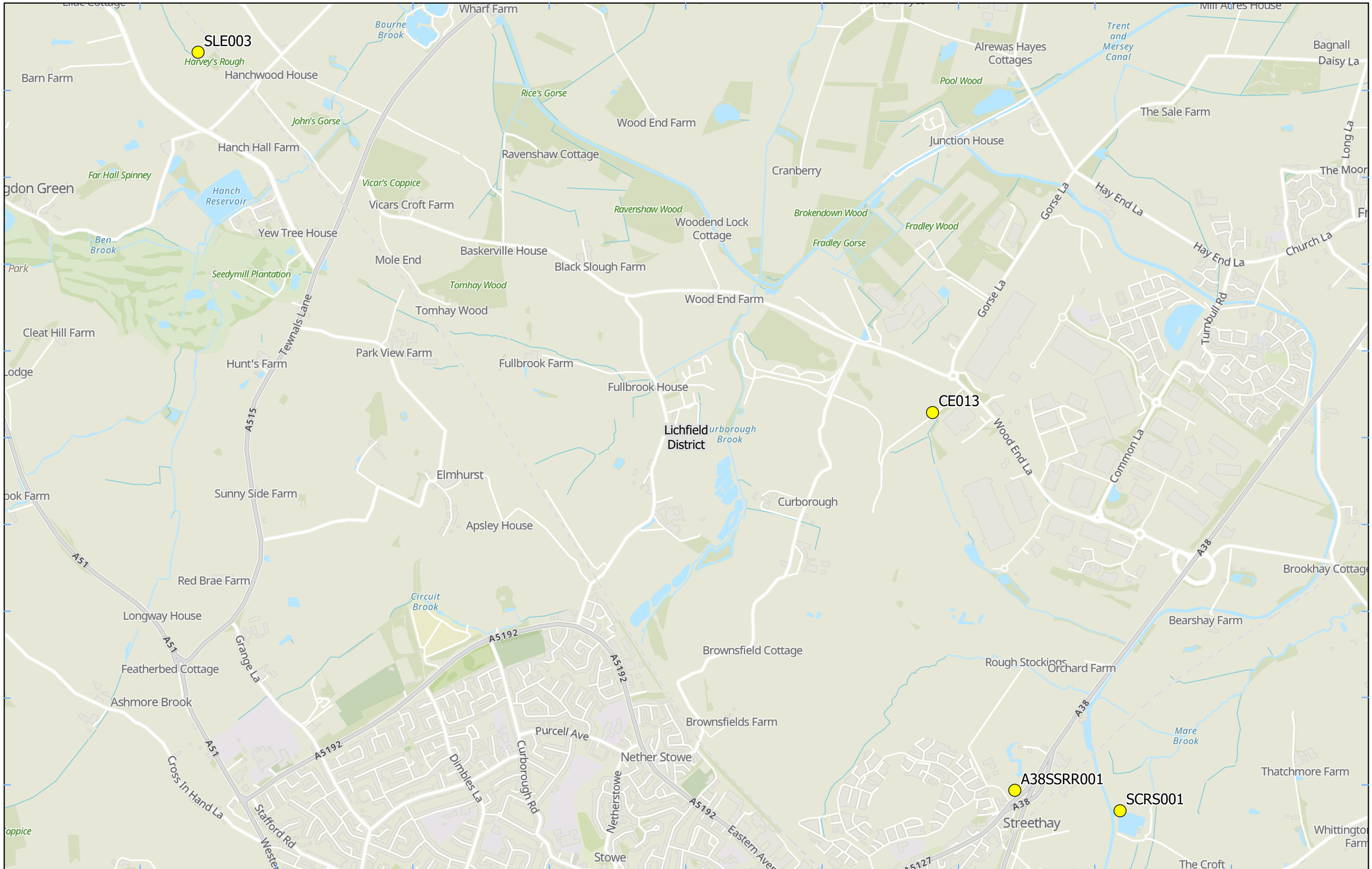
1.1.8 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.

1.1.9 Data capture was below 90% at multiple monitoring locations due to technical issues. Monitor WCC001 was due to technical faults. The monitor was replaced on 28 July 2026, and the issues were resolved following the site visit. Similarly, monitor TRO001 was due to technical faults. This monitor was also replaced on 28 July 2026, after which the technical issues were resolved during the site visit.

1.1.10 There were no (0) complaints received during the reporting period (July 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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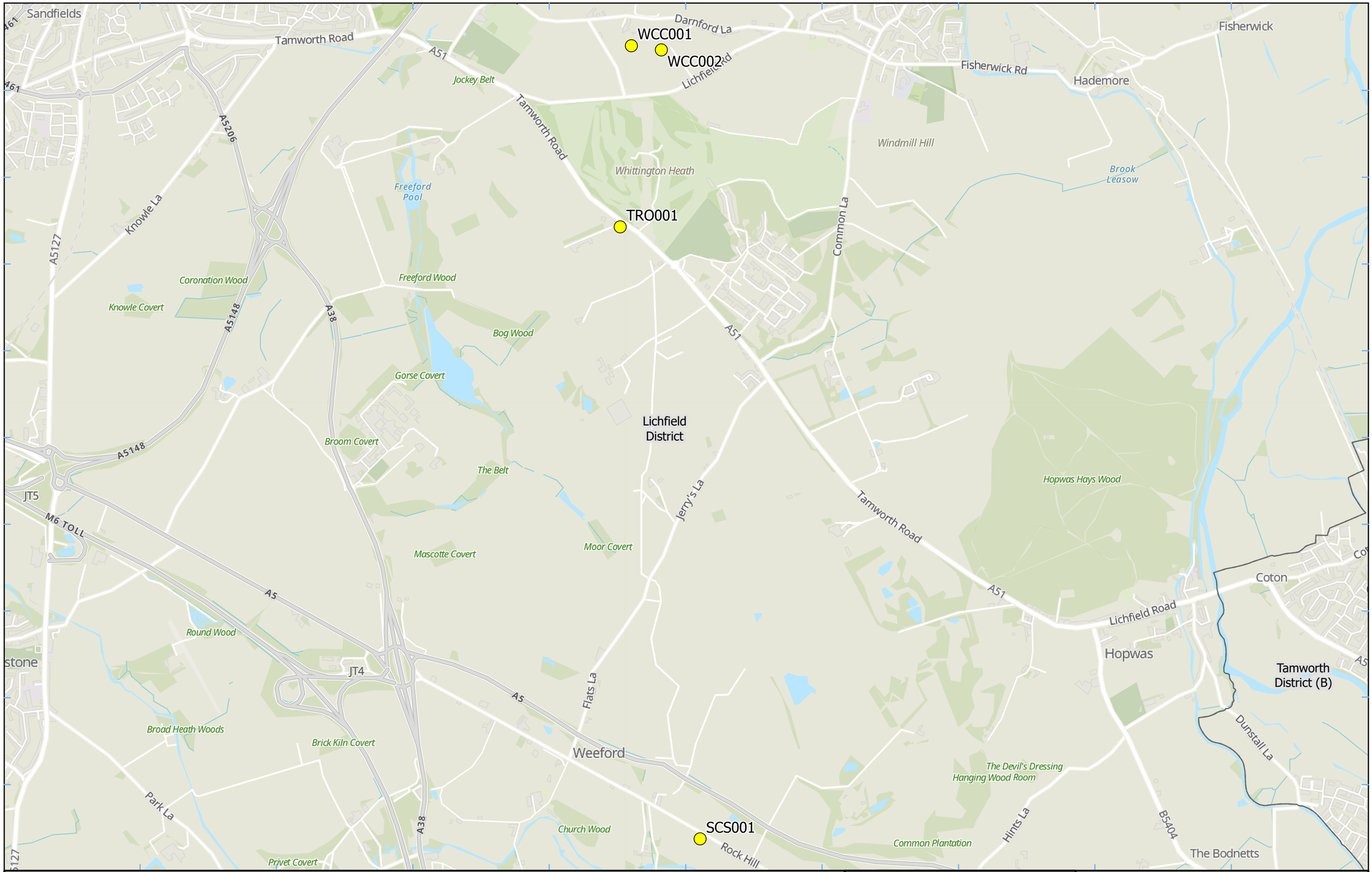
Metres

Doc Number:

Date: 19/12/24



Legend

- Dust Monitor
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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

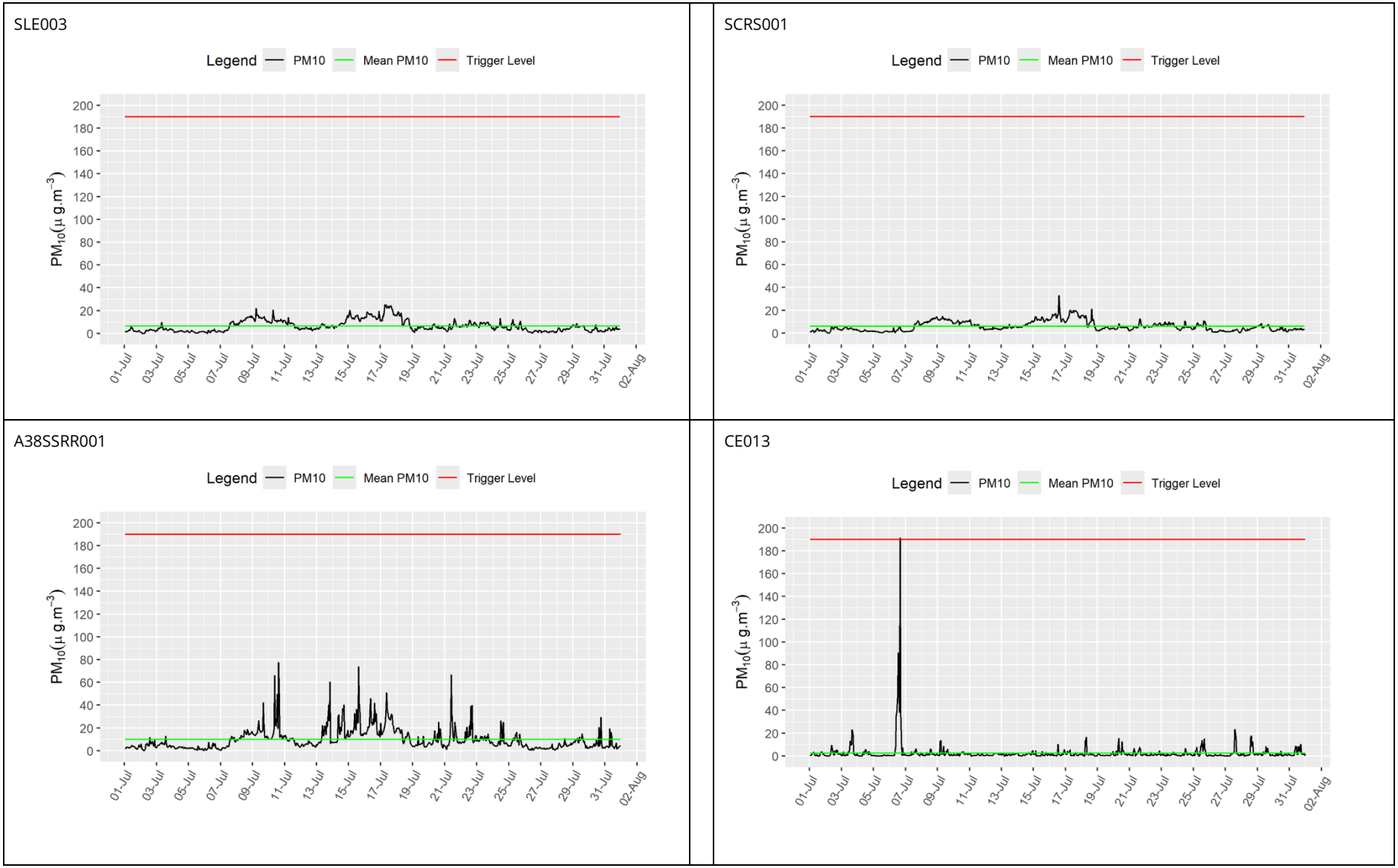
Table 1: Dust Monitoring Locations and Results

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 (µg/m³)	Minimum 1-hour PM_{10} concentration (µg/m³)	Maximum 1-hour PM_{10} concentration (µg/m³)	Number of 1- hour periods exceeding trigger level of 190 µg/m³	Data capture for Month (%)
SLE003	410077, 314464	New Farm Produce South, Shaw Lane Embankment	L	Yes	No	6.6	0.1	25.2	0	100.0
SCRS001	414895, 310500	Streethay Cutting Retaining Structure, King's Orchard Marina	M	Yes	No	6.0	0.1	33.1	0	100.0
A38SSRR001	414345, 310607	Thompson Way, Streethay, Fradley and Streethay	M	Yes	No	9.9	0.1	77.5	0	100.0
CE013	413915, 312581	Midlands Karting, Wood End Lane	L	Yes	No	2.6	0.1	191.4	1	99.9
WCC001	414682, 308298	Whittington Hill Farm, Darnford Lane	M	Yes	No	6.2	0.4	15.6	0	10.9
WCC002	414856, 308274	Ellfield House, Darnford House	M	Yes	No	7.9	0.3	29.8	0	100.0
SCS001	415081, 303691	The Lodge, Rock Hill	M	Yes	No	7.8	0.1	30.7	0	100.0
TRO001	414616, 307247	South Lodge	L	Yes	No	6.7	2.3	44.6	0	11.2

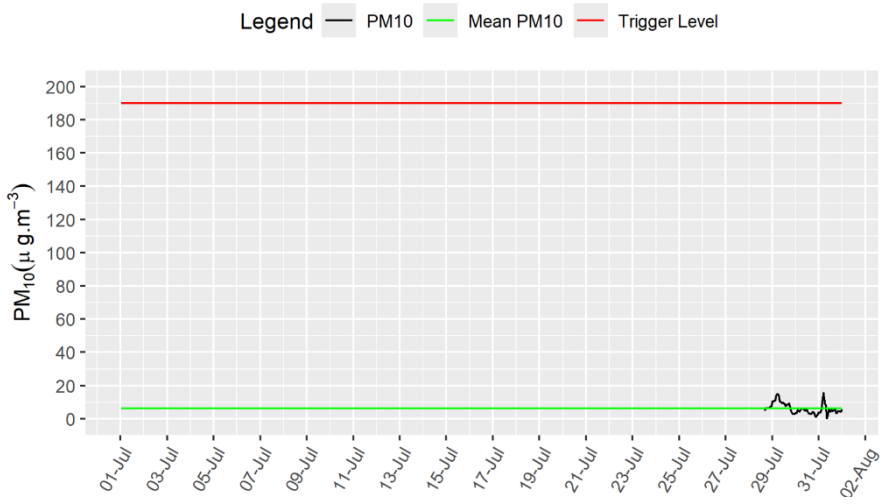
Table 2: Summary of exceedances during period (July 2026)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
CE013	06/07/2026 16:01 – 17:00; 191.4 µg/m^3	No Balfour Beatty VINCI construction activities were taking place near the monitoring station when the exceedance occurred, suggesting the exceedance was not related to Balfour Beatty VINCI works.	No action was taken as this exceedance was concluded as unrelated to the project.

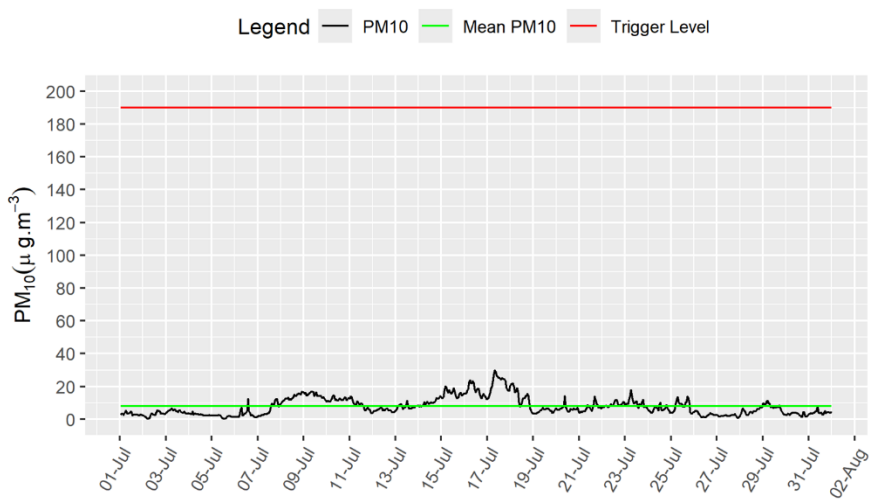
Figure 3: Construction dust 1-hour mean indicative PM_{10} concentration for all dust monitors



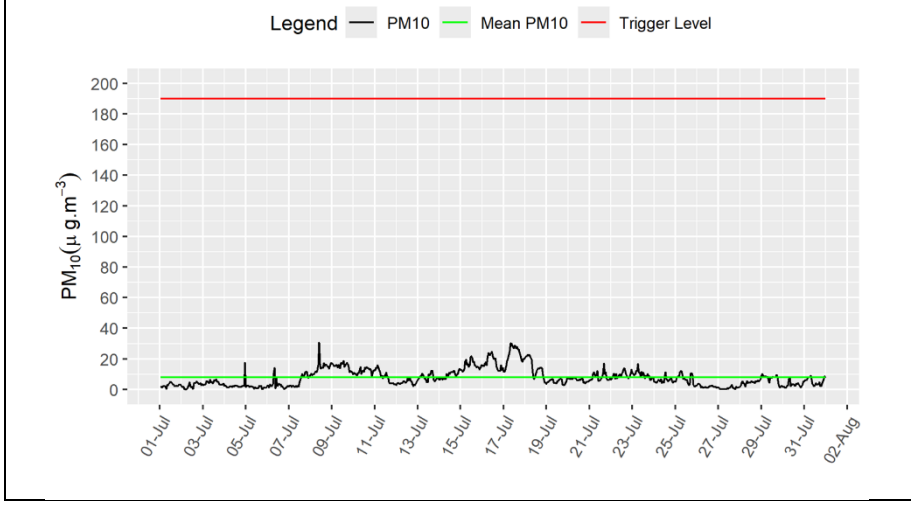
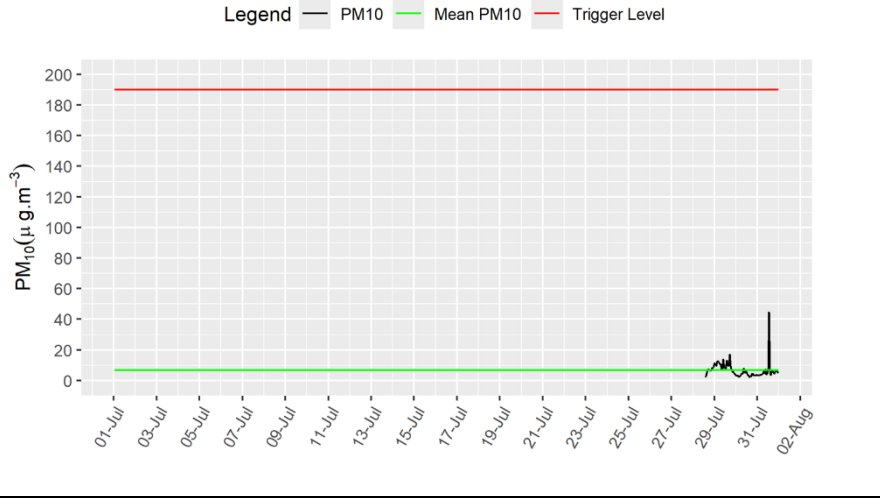
WCC001



WCC002



SCS001



TRO001