

Air Quality and Dust Monitoring Monthly Report – November 2025

Solihull Metropolitan Borough 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 Solihull Metropolitan Borough Council (SMBC) during November 2025.
- 1.1.2 Figures 1 to Figure 3 in Appendix A present 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, Figure 1 to Figure 3, include:

Sublot 2B2

Waste Lane Overbridge Satellite

- Remedial works inside Burton Green Tunnel
- Void pour to tunnel
- Parapet deliveries and cleaning of secant piles
- Waste lane diversion works.

Carol Green Rail Underbridge

- Concrete pours for Burton Green Tunnel.

Sublot 2B3

Balsall Common Viaduct

- P14 striking access Around per.
- P12 scaffold erection
- P16 steel fixing pier head
- P15 striking pier formwork
- P14 pour
- P15 bearing works
- P12, P13 Temporary works T beam support works
- P16 steel fixing pier head
- Pier 15 bearings struck
- Pier 14 striking formwork

- P16 closing formwork on pier
- P14 bearing work.

Park Lane

- Landscape realignment work for Lavender Hall Lane
- Moving Traffic
- Technical backfill for M215 Overbridge
- Trial hole and excavation access track
- Excavation for access track.

A452 Compound

- Dig and replace works for the trace at sixteen acre wood
- Import materials
- Wingwall installation for the culvert.

Sublot 5S

Coleshill Heath Road

- Reloading imported material
- Material importing
- Landscape fill.

Coleshill Heath Road Underbridge

- North abutment steel fixing
- Material importing
- Landscape fill.

- 1.1.5 Ten (10) dust monitors are installed around these worksites, where works are underway. These sites returned a 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 4. 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 (November 2025).

1.1.9 Monitor PL001 was decommissioned on 18th November 2025.

1.1.10 Data capture was below 90% for multiple monitors due to:

- Monitor 2B3002 – The power supply was restored on 21st November 2025.
- Monitor BBE001 – A battery refresh took place on 4th November 2025. After the site visit, the issues were resolved.
- Monitor BIS001 – A battery refresh is scheduled for 9th December 2025.
- Monitor CGRU002 – A battery refresh took place on 11th November 2025. After the site visit, the issues were resolved.
- Monitor DLE001 – A battery refresh is scheduled for 12th December 2025.
- Monitor PL002 – A battery refresh is scheduled for 9th December 2025.
- Monitor 2B3001 – A monitor swap out is scheduled for 8th December 2025.
- Monitor DLE002 – A monitor swap out is scheduled for 9th December 2025.

1.1.11 There were no (0) complaints received during this reporting period (November 2025).

Appendix A – Worksites and Monitoring Locations

Figures 1-3: Worksites and Monitoring Locations within SMBC



Legend

Dust Monitor

District Borough Unitary Boundaries

Worksite

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Map Number

Map Name

Worksite and Monitoring Locations
In SMBC (Sheet 1)

Solihull Metropolitan Borough

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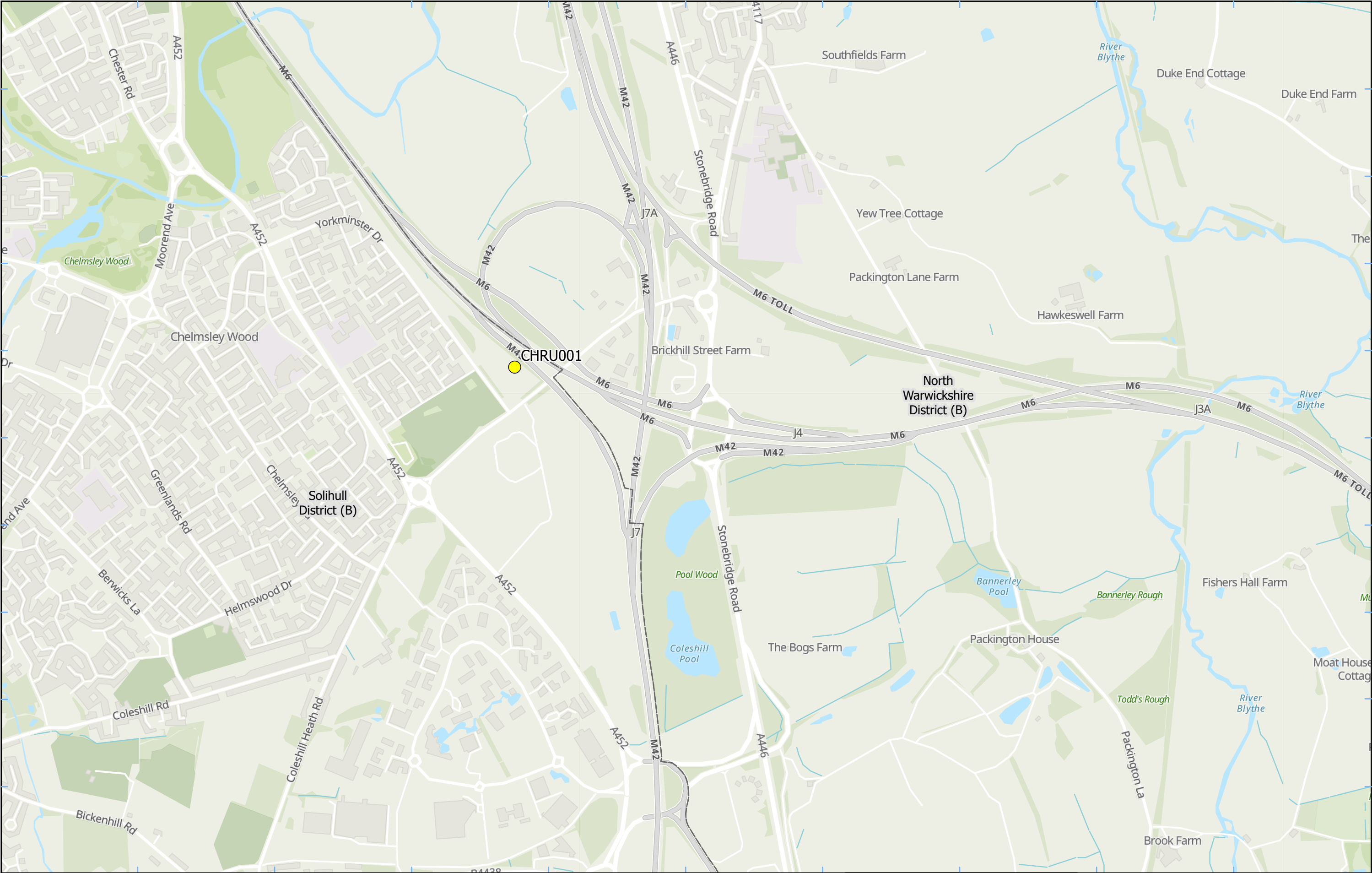
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Scale at A3: 1:15,000

Metres

Date: 30/09/25



Legend

- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

Map Name

**Monitoring Locations
In SMBC (Sheet 2)**

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Legend

 Dust Monitor

 District Borough Unitary Boundaries

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Map Number

Map Name

**Monitoring Locations
In SMBC (Sheet 3)**

Solihull Metropolitan Borough



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Metres

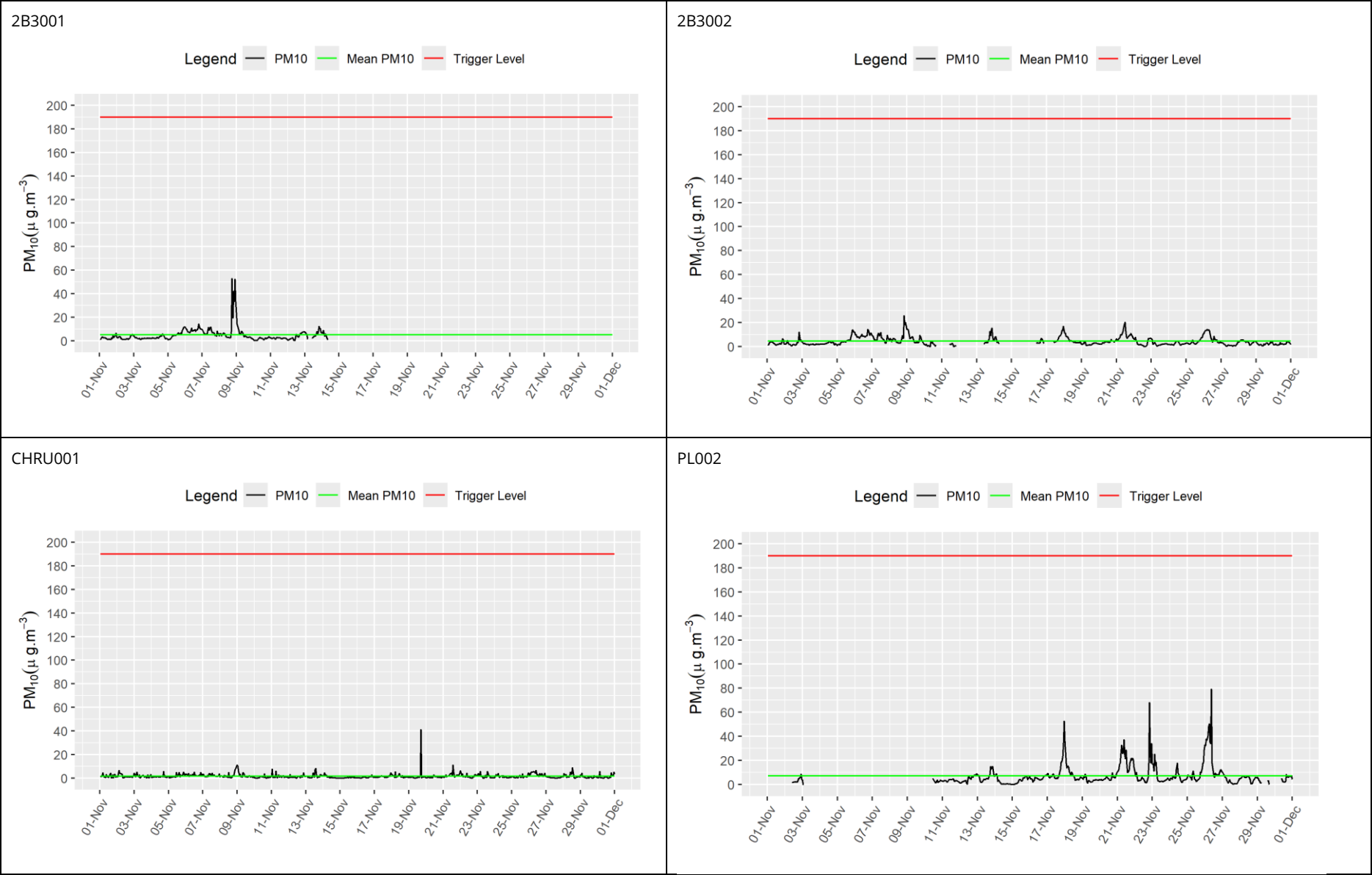
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Appendix B – Dust Monitoring Results

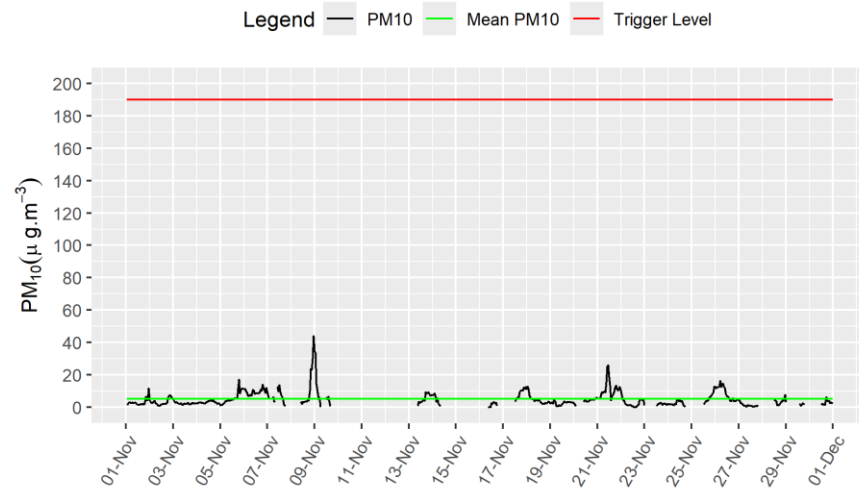
Table 1: Dust Monitoring Locations and Results

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 Month (%)
2B3001	422322, 280034	Sublot 2B3, at Marsh Farm	M	Yes	No	5.1	0.1	52.9	0	44.0
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	4.6	0.1	25.8	0	83.3
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	1.8	0.1	41.4	0	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	7.4	0.1	79.2	0	67.6
DLE001	421035, 281818	Diddington Lane	M	Yes	No	5.1	0.1	44.2	0	64.7
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	-	-	-	-	-
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	1.1	0.1	18.7	0	29.9
CGRU002	424516, 277498	Annora House	M	Yes	No	4.8	0.1	43.5	0	92.8
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	1.0	0.1	21.5	0	58.1

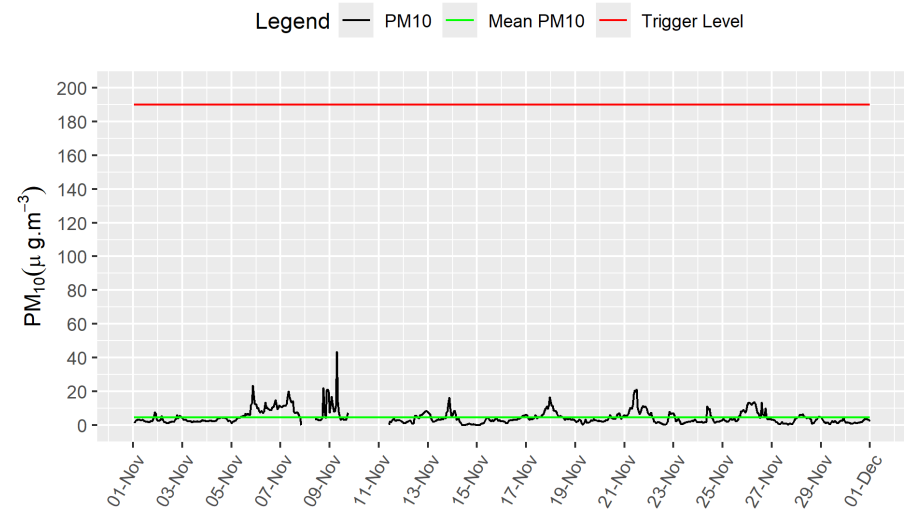
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WL001	425630, 276637	Dragonflies	M	Yes	Yes	3.7	0.1	19.8	0	38.5



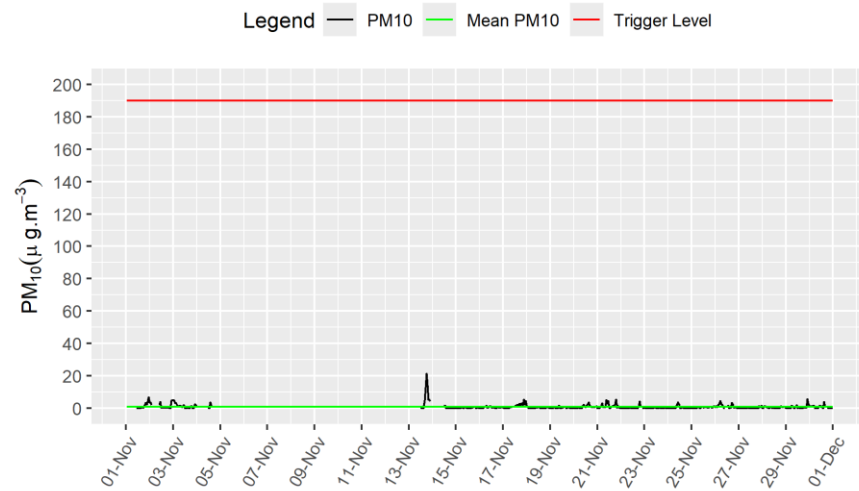
DLE001



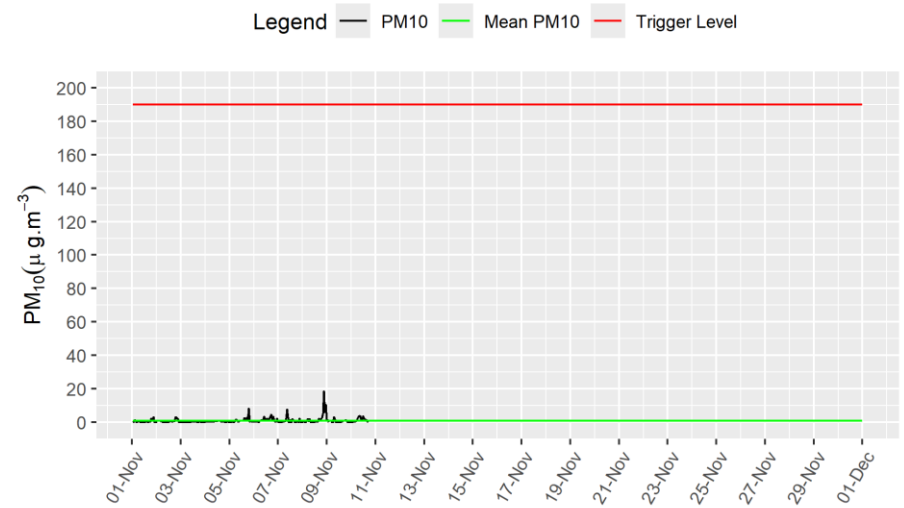
CGRU002



BBE001



BIS001



WL001

