

Air Quality and Dust Monitoring Monthly Report – April 2026

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 April 2026.
- 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

- Backfilling on top of Burton Green Tunnel.

Carol Green Rail Underbridge

- Technical backfill.
- Upper embankment fill works.

Sublot 2B3

Balsall Common Viaduct

- Deck works at pier 14, 15 and 16.
- Steel fixing.
- Concrete pour at pier 15 and pier 16.
- Jet washing.

Park Lane

- Material stockpile and removal.
- Road traffic and deliveries.
- Technical backfill at M215.
- Grass trimmings.
- Construction for the M214.
- Drainage installation on both north and south sides of Lavendar Hall Lane.

- Highway embankment fill works.
- A452 road realignment works.
- Planning out remaining tarmac in front of Born Laurels and garage.

A452 Compound

- Exposing existing services.
- Installation of gullies.
- Installation of kerbs.
- Installation of ducting.
- Haul road usage.
- Installation of crane platform.
- Installation of drainage works.
- Installation of jersey barriers.

Sublot 5S

Coleshill Heath Road

- Lime stabilisation.
- Landscape material fill.

Coleshill Heath Road Underbridge

- Platform excavation.
- Formwork.
- Welding.
- Precast slabs installation.
- Shuttering installation.
- Steel fixing.
- Rebar installation.
- M6 viaduct launch.

Birmingham Interchange Station worksite (ref.: BIS)

- Backfilling, site and haul road maintenance.

Diddington Lane Embankment (ref.: DLE)

- Steel fixing;
- Shutter installation;
- Platform construction and dismantling;
- Concrete pours; and
- Site and haul road maintenance.

1.1.5 Nine (9) 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 2, 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 (April 2026).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor BBE001 – A field calibration was done on 8th April 2026, and the monitor was swapped out on 30th April 2026. After the swap out, the issues were resolved.
- 1.1.10 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 April 2026

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-26-47287-C	N/A	Cars covered in dust.	Contractors have advised dust suppression methods are operational on a continuous rotation throughout the day to manage dust and ground conditions for the duration of the nearby works and continue to explore further mitigation measures. Contractors are committed to continually managing, monitoring, and mitigating potential emissions to ensure these controls remain effective. No exceedances have been recorded. Resident has been updated.

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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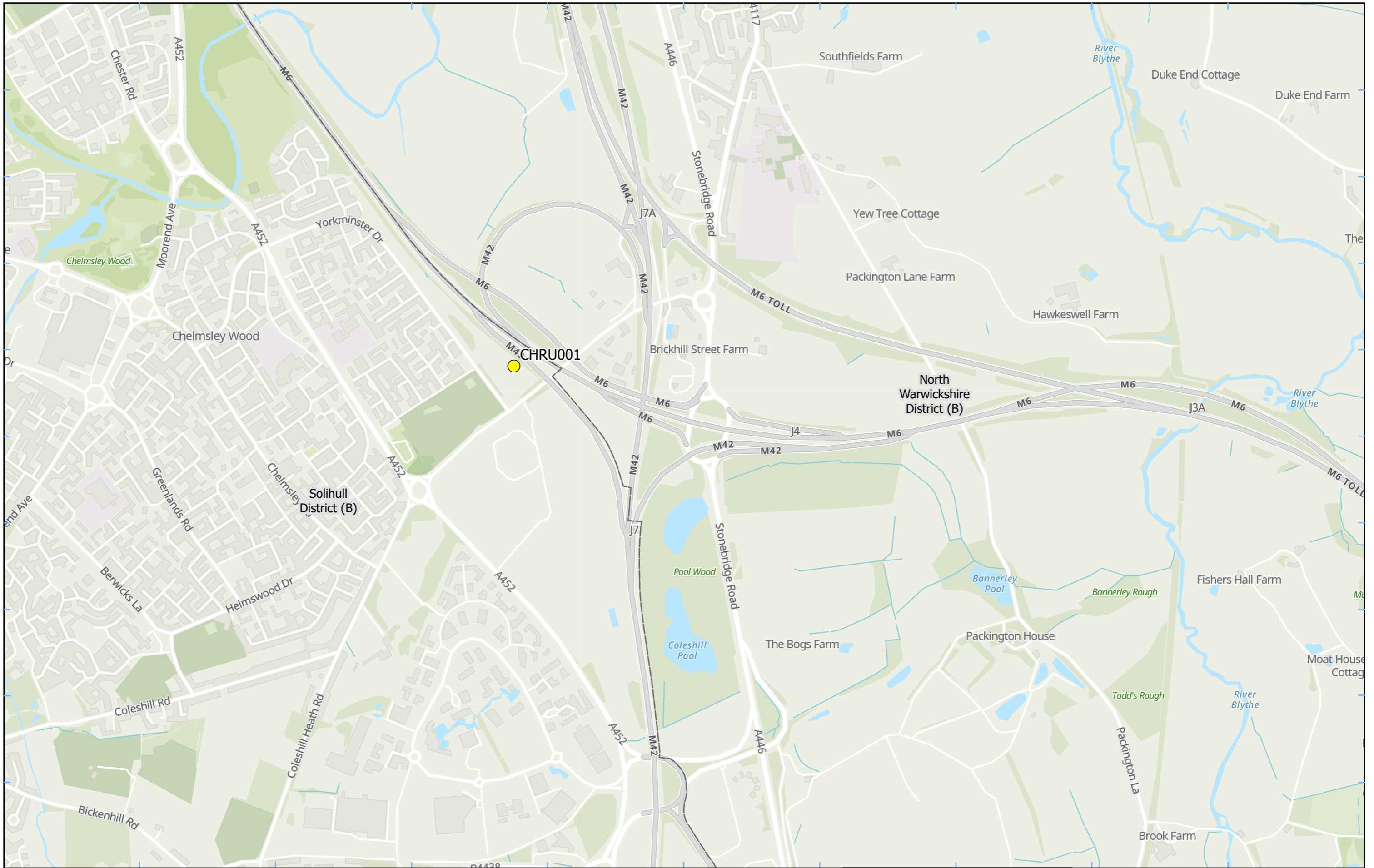
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Date: 28/04/26



Legend
 Dust Monitor
 District Borough Unitary Boundaries

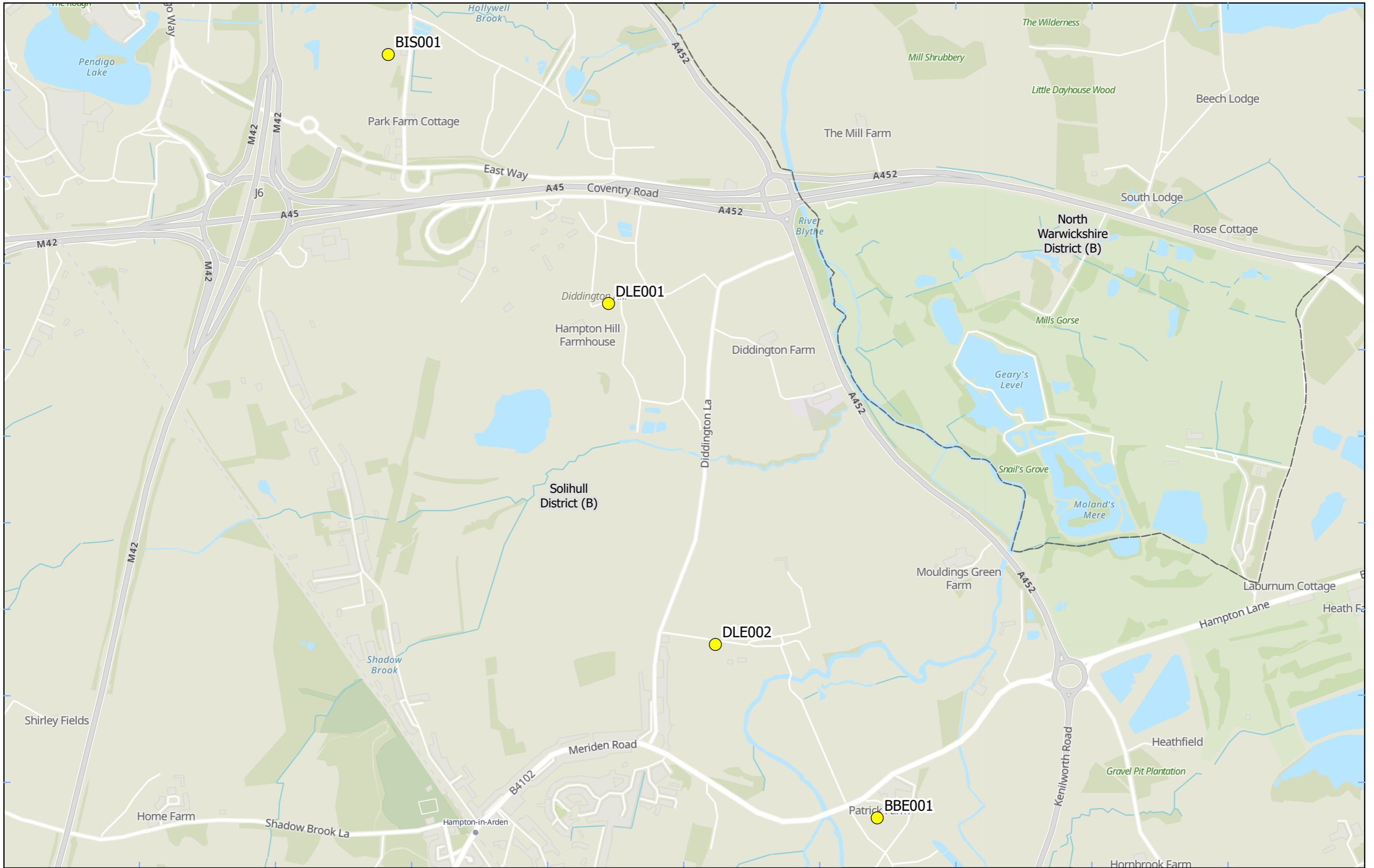
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Map Number
 Map Name
**Monitoring Locations
 In SMBC (Sheet 2)**
 Solihull Metropolitan Borough

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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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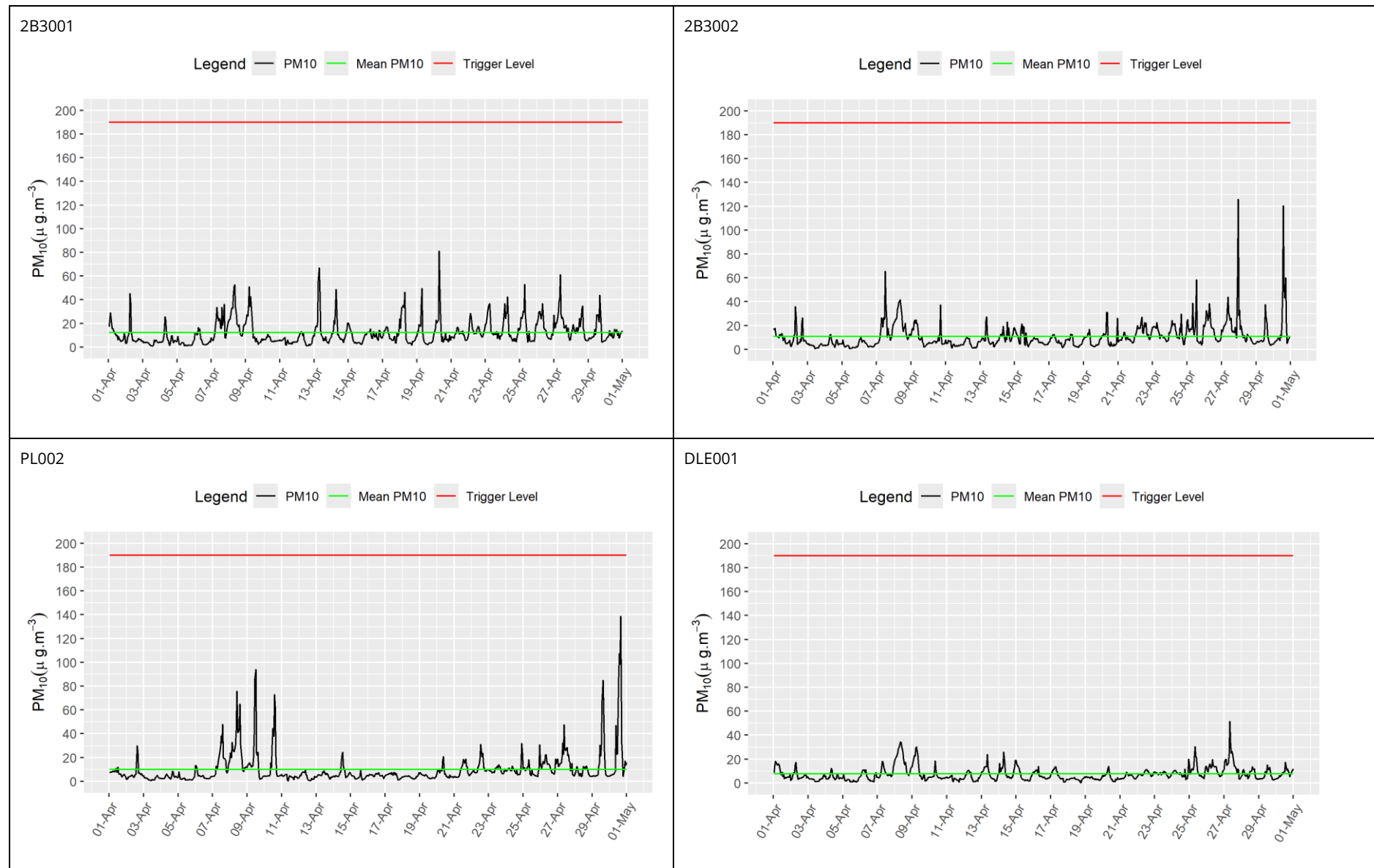
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Appendix B – Dust Monitoring Results

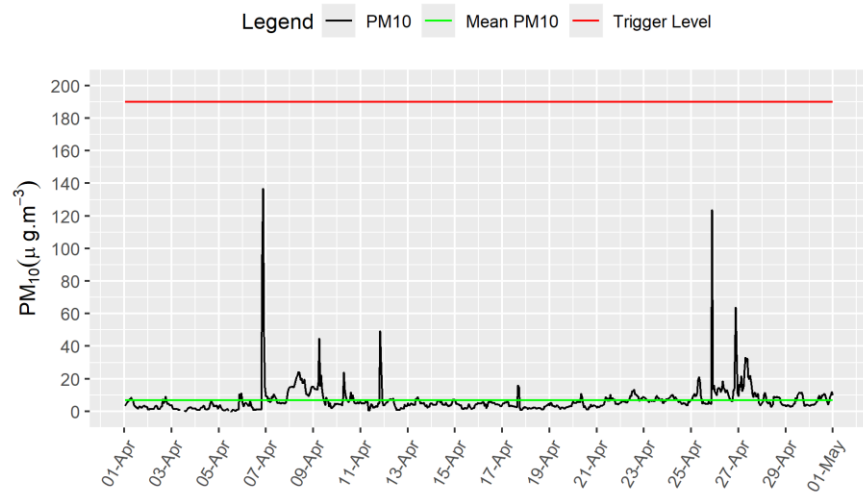
Table 2: Dust Monitoring Locations and Results

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 Month (%)
2B3001	422322, 280034	Sublot 2B3, at Marsh Farm	M	Yes	No	12.3	0.8	81.1	0	100.0
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	10.9	0.6	126.0	0	100.0
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	6.3	0.2	42.3	0	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	9.9	0.3	138.8	0	100.0
DLE001	421035, 281818	Diddington Lane	M	Yes	No	7.6	0.2	51.5	0	100.0
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	6.8	0.1	136.8	0	99.6
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	7.3	0.8	47.5	0	100.0
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	1.7	0.1	15.5	0	88.6
WL001	425630, 276637	Dragonflies	M	Yes	Yes	5.2	0.1	91.6	0	99.4

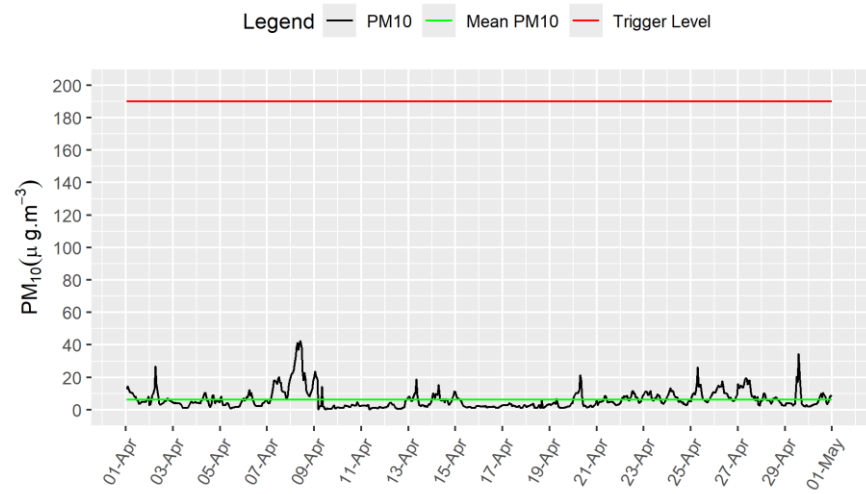
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



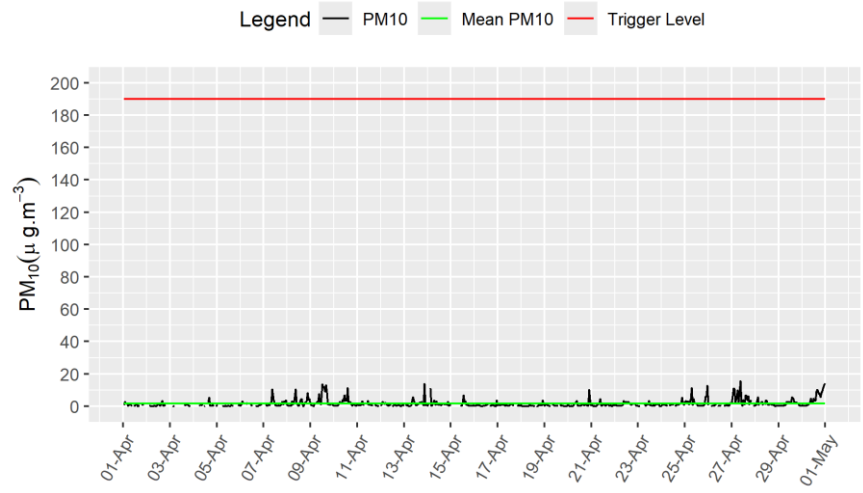
DLE002



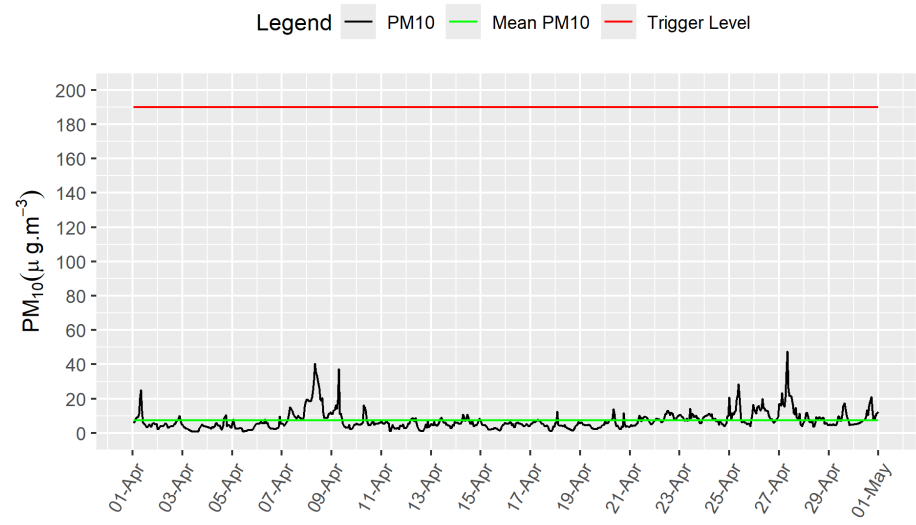
CHRU001



BBE001



BIS001



WL001

