HS2

August 2026

Air Quality and Dust Monitoring Monthly Report – August 2026

Solihull Metropolitan Borough 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 Solihull Metropolitan Borough Council (SMBC) during August 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

- No works occurred in August 2026.

Carol Green Rail Underbridge

- Fibre-Reinforced Concrete works on Carol Green Underbridge.
- Noise barrier piling.
- Water seal works and waterproofing.

Sublot 2B3

Balsall Common Viaduct

- Fixing rebar on deck slab mod 5 / waterproofing deck.
- Reinstating platform for crane/ unloading parapets at ab17.
- Deck works / rebar fixing / formwork / rebar protection works.

Park Lane

- Haul road traffic.
- Track Drainage Works.
- Gas main Protection Slab installation.
- Ground prep for slab and pouring concrete.
- Stockpiling 6f5.
- Highway embankment fill works.
- Bulk fill to OGL.
- Enabling works with gas diversion.

A452 Compound

- Marsh Farm Culvert Installation.
- 16AW V- Ditch Installation.
- Haul Road Traffic.

Sublot 5S

Coleshill Heath Road

- No works occurred in August 2026.

Coleshill Heath Road Underbridge

- Noise barrier pile cropping.
- Noise barrier pile cap works.
- Moving topsoil.
- Excavation of water course.
- Noise barrier piling integrity test.
- Backfilling.
- National Grid Electricity Distribution trail holes (north-of-culvert).
- Haul road maintenance.
- General haulage - material movement.

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 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 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.

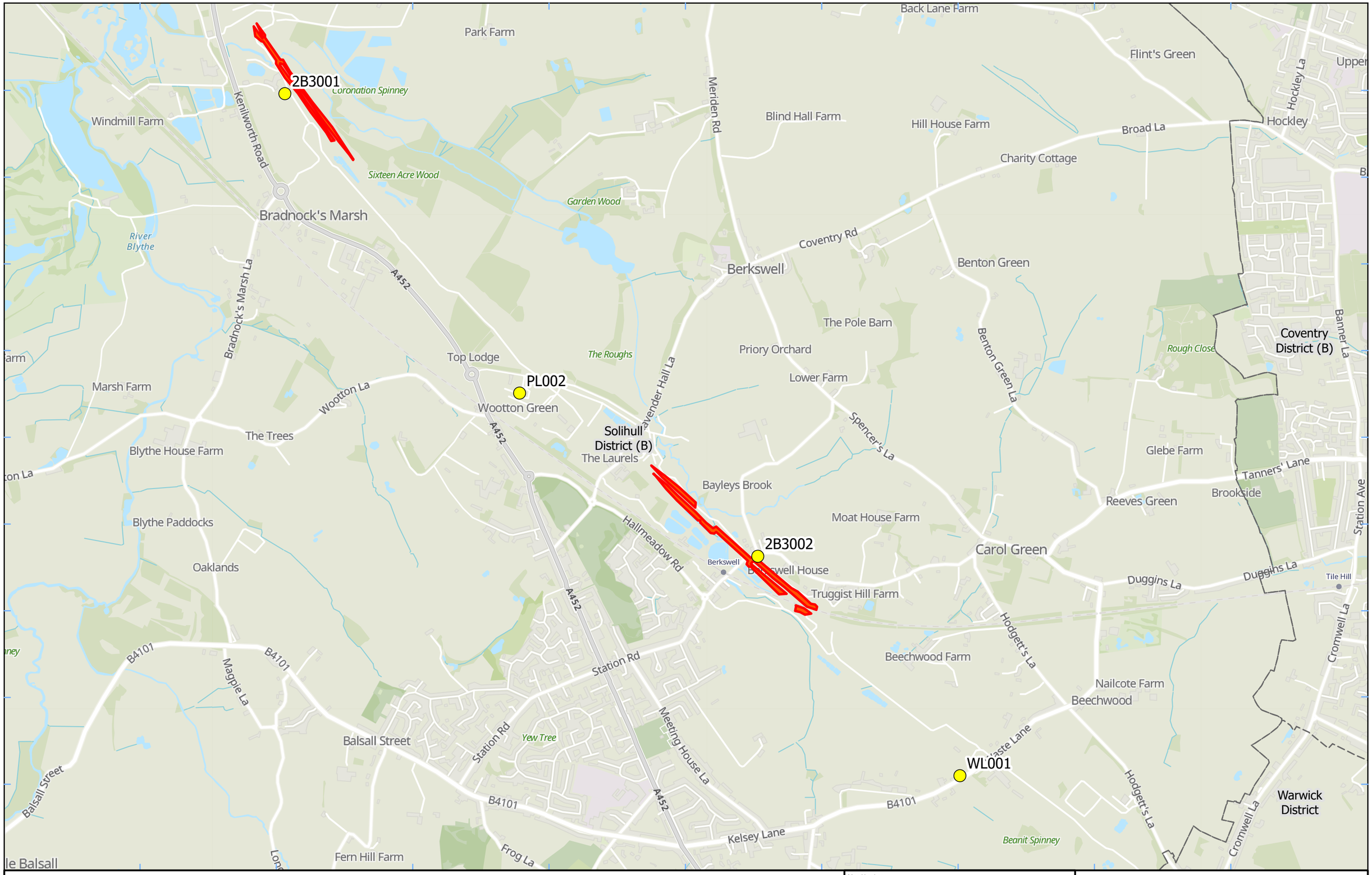
1.1.9 Table 1 provides a summary of the complaint information relating to dust or air quality received during the reporting period, together with the findings of any related investigations.

Table 1: Summary of complaints received during August 2026

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-26-47675-C	N/A	Increased amount of dust in the area.	Dust arising from construction activities is monitored and managed through a range of mitigation measures. These measures include site inspections, environmental monitoring and dust suppression activities, which are undertaken to minimise impacts on local communities wherever reasonably practicable. No exceedances have been recorded in the area. Based on the location of the property, this falls outside the eligibility boundary for both the car cleaning voucher and window cleaning scheme and is therefore not eligible to receive this service at this time. Resident has been informed.
HS2-26-47691-C	N/A	Deisel fumes and smoke in the area.	The smoke and noise reported was related to the use of a Stihl used to cut manhole rings, all products used on the project comply with legal standards. No breaches have been recorded. The resident has been updated.
HS2-26-137079-E-C	N/A	Extremely unpleasant smell affecting the area.	The odour has been confirmed to residents due to the movement of materials on the south site at Water Orton. Odour-neutralising misters sprays are in operation, and daily odour monitoring is being undertaken at site perimeters and in locations where concerns have been raised to minimise and monitor any off-site impact. Following several similar complaints, the team conducting the work have stood up the use of both the mist cannon and scent diffusers which are used to help reduce this impact.

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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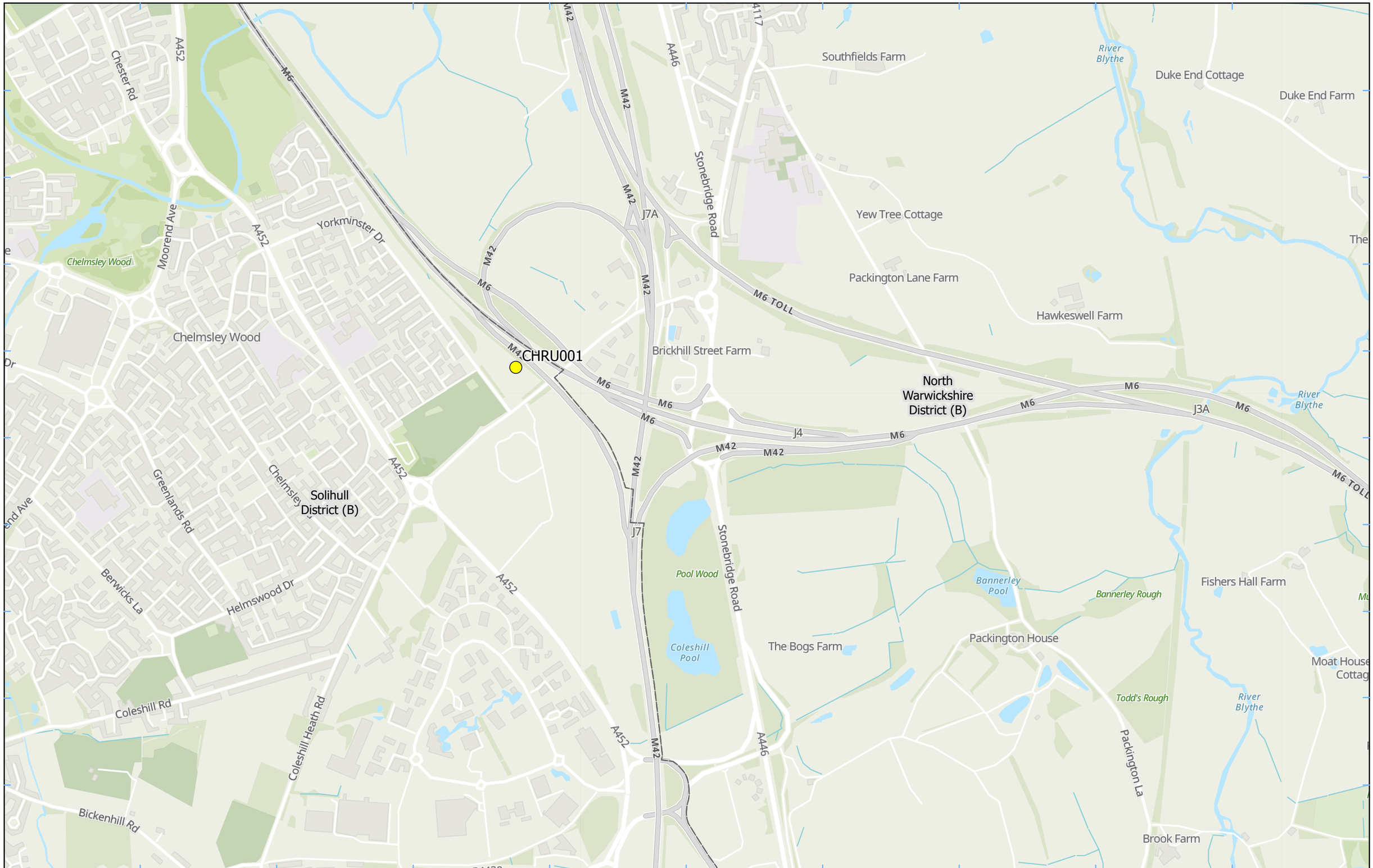
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0 175 350 525 700

Metres

Doc Number:

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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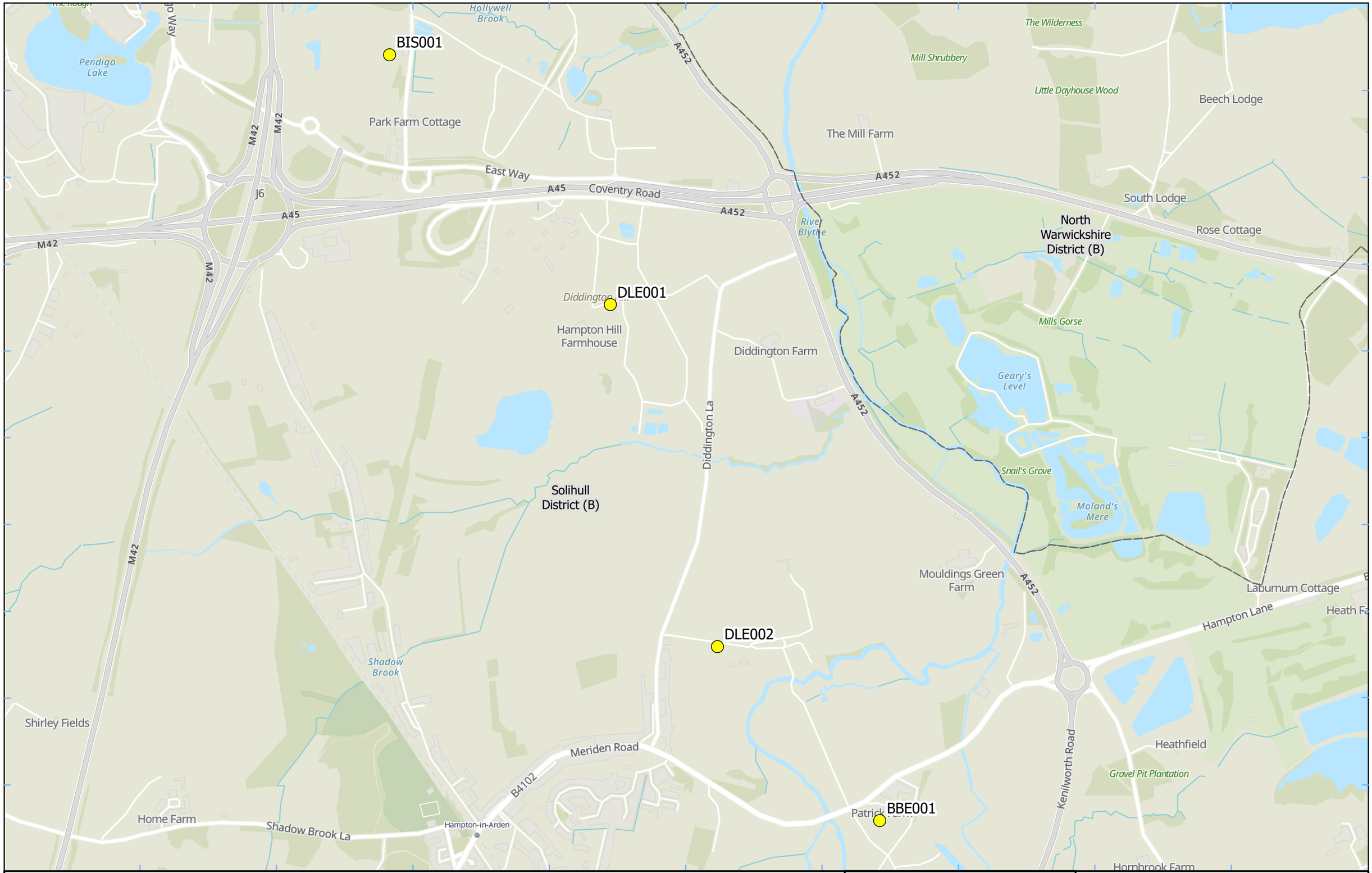
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Legend

- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations In SMBC (Sheet 3)

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Doc Number:

Date: 28/04/26

Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

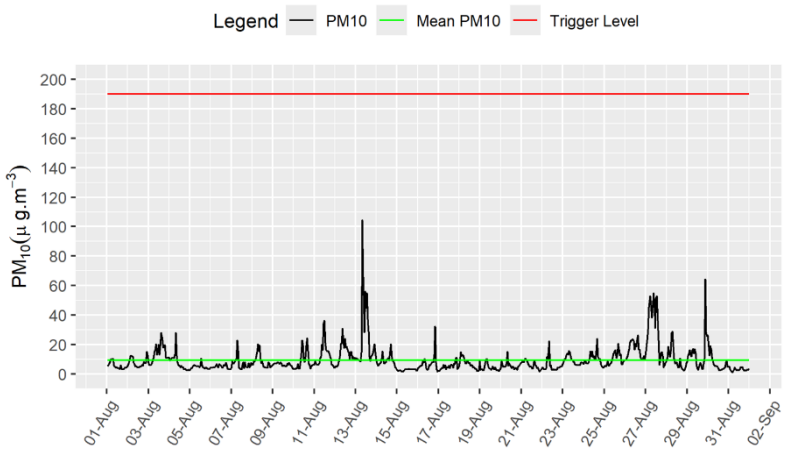
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM_{10} concentration ($\mu g/m^3$)	Minimum 1-hour PM_{10} concentration ($\mu g/m^3$)	Maximum 1-hour PM_{10} concentration ($\mu g/m^3$)	Number of 1-hour periods exceeding trigger level of 190 $\mu g/m^3$	Data capture Month (%)
2B3001	422322, 280034	Sublot 2B3, at Marsh Farm	M	Yes	No	9.5	1.3	104.4	0	100.0
2B3002	424601, 277729	Sublot 2B3, at Cherry Tree Cottage	M	Yes	No	7.2	0.3	65.5	0	100.0
CHRU001	419300, 286793	Bluebell Drive, Coleshill Heath Road Underbridge	M	Yes	No	7.8	1.9	61.9	0	100.0
PL002	423481, 278494	Final Home, Park Lane	M	Yes	No	9.3	0.1	111.7	0	100.0
DLE001	421035, 281818	Diddington Lane	M	Yes	No	9.5	1.1	69.3	0	100.0
DLE002	421139, 282222	Hampton Hill Farmhouse	M	Yes	No	6.6	1.2	32.5	0	100.0
BIS001	420284, 283503	Hollywell Brook	M	Yes	No	7.0	1.2	38.9	0	100.0
BBE001	421656, 281313	Patrick Farmhouse	M	Yes	No	10.2	0.9	1015.6	2	100.0
WL001	425630, 276637	Dragonflies	M	Yes	Yes	4.9	0.1	39.0	0	99.9

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

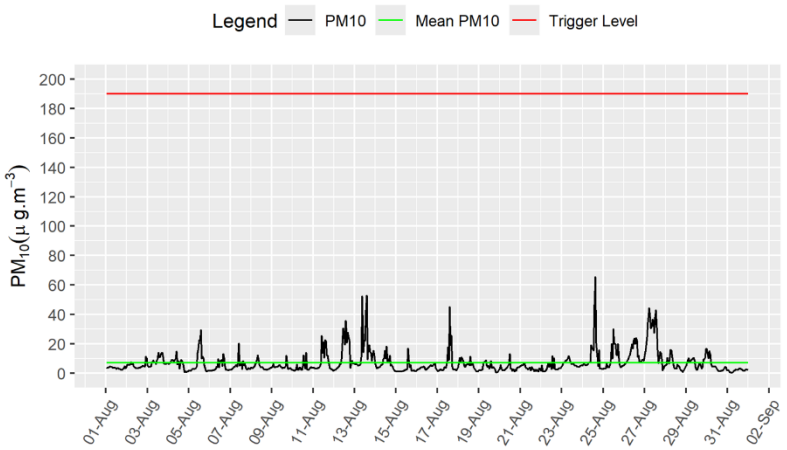
Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
BBE001	12/08/2026 12:01 – 13:00; 568.7 µg/m^3 13:01 – 14:00; 1015.6 µg/m^3	Exceedances were attributed to excess concrete removal activities, during which significant dust generation was observed.	Dust mitigation measures were promptly implemented by the site team to minimise emissions and prevent further exceedances.

Figure 4: Construction dust 1-hour mean indicative PM_{10} concentration for all dust monitors

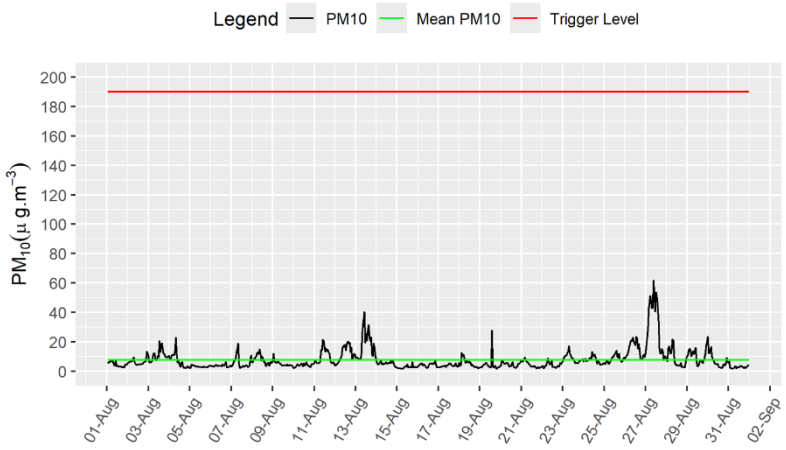
2B3001



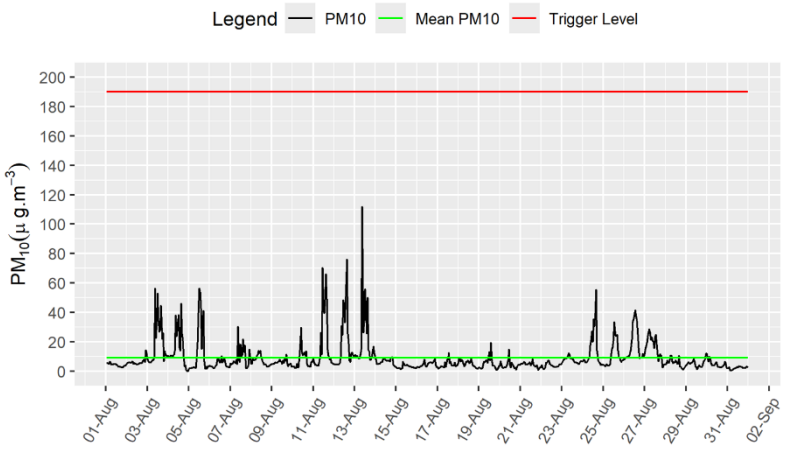
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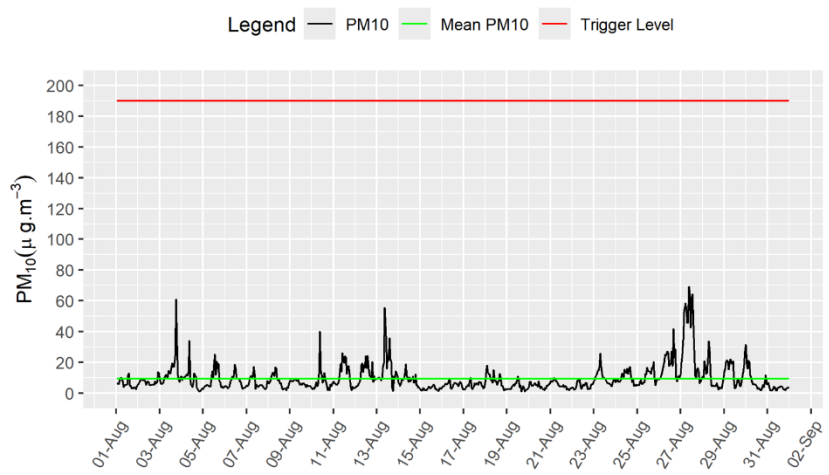
CHRU001



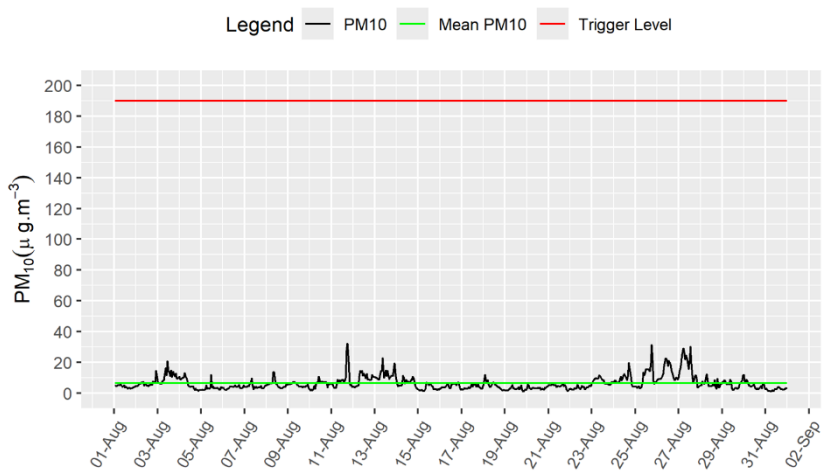
PL002



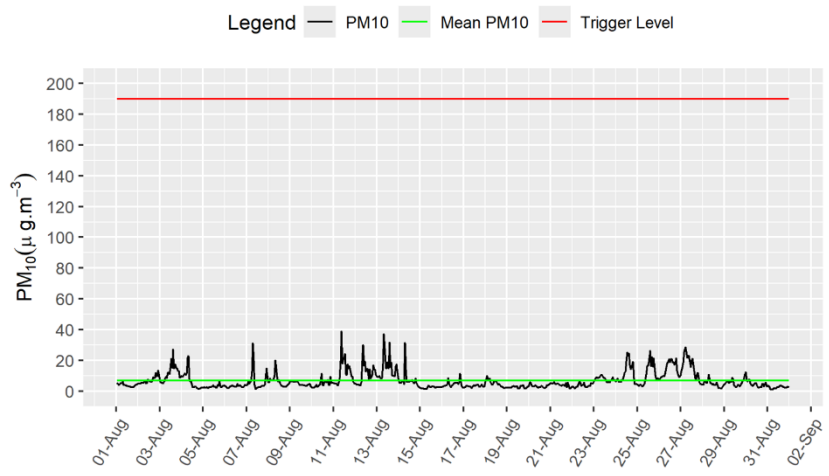
DLE001



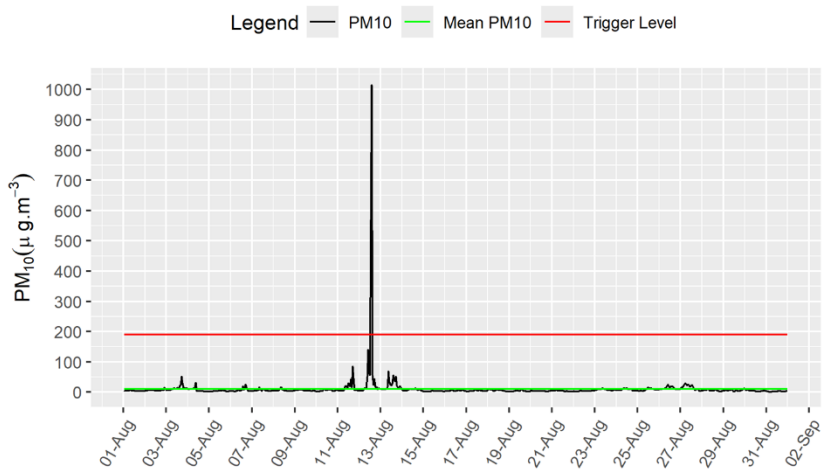
DLE002



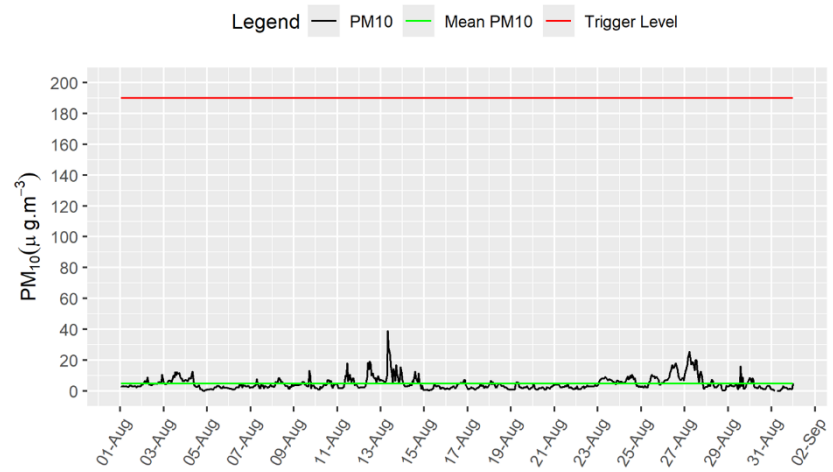
BIS001



BBE001



WL001


Legend
PM10
Mean PM10
Trigger Level
PM10(µg.m-3)
200
180
160
140
120
100
80
60
40
20
0
01-Aug
03-Aug
05-Aug
07-Aug
09-Aug
11-Aug
13-Aug
15-Aug
17-Aug
19-Aug
21-Aug
23-Aug
25-Aug
27-Aug
29-Aug
31-Aug
02-Sep