

Air Quality and Dust Monitoring Monthly Report – December 2025

North Warwickshire 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 North Warwickshire Borough Council (NWBC) during December 2025.
- 1.1.2 Figures 1 and Figure 2 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 Figure 1 and Figure 2, include:

Sublot 6BS

Gilson Embankment

- No works occurred during December 2025.

Attleboro Lane Overbridge

- No works occurred during December 2025.

Sublot 7

Faraday Avenue Embankment and Underbridge

- No works occurred during December 2025.

Marston Box

- No works occurred during December 2025.

Sublot 6NC

Marsh Lane Embankment

- Dig and replace.
- Compound operation and haul road maintenance.
- Operation of material deposit/removal from the borrow pit.
- Stockpile operation.
- Embankment construction.

- Haul road operation.
- Water Orton culvert installation.

Sublot 5N

Chattle Hill Box Structure

- Site is now shutdown until April 2026.

1.1.5 Eight (8) 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 2, together with line charts of monthly data from each dust monitor 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 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 (December 2025).

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

- Monitor AFE002 – A battery refresh took place on 7th January 2026. After the site visit, the power supply issues were resolved.
- Monitor BRD001 – A battery refresh is scheduled for 22nd January 2026.
- Monitor CHBS001 – A battery refresh is scheduled for 21st January 2026.
- Monitor FAEU001 – A battery refresh is scheduled for 9th January 2026.
- Monitor GLD002 – A battery refresh is scheduled for 12th January 2026.
- Monitor MLE002 – The cabling is scheduled to be replaced on 20th January 2026.

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.

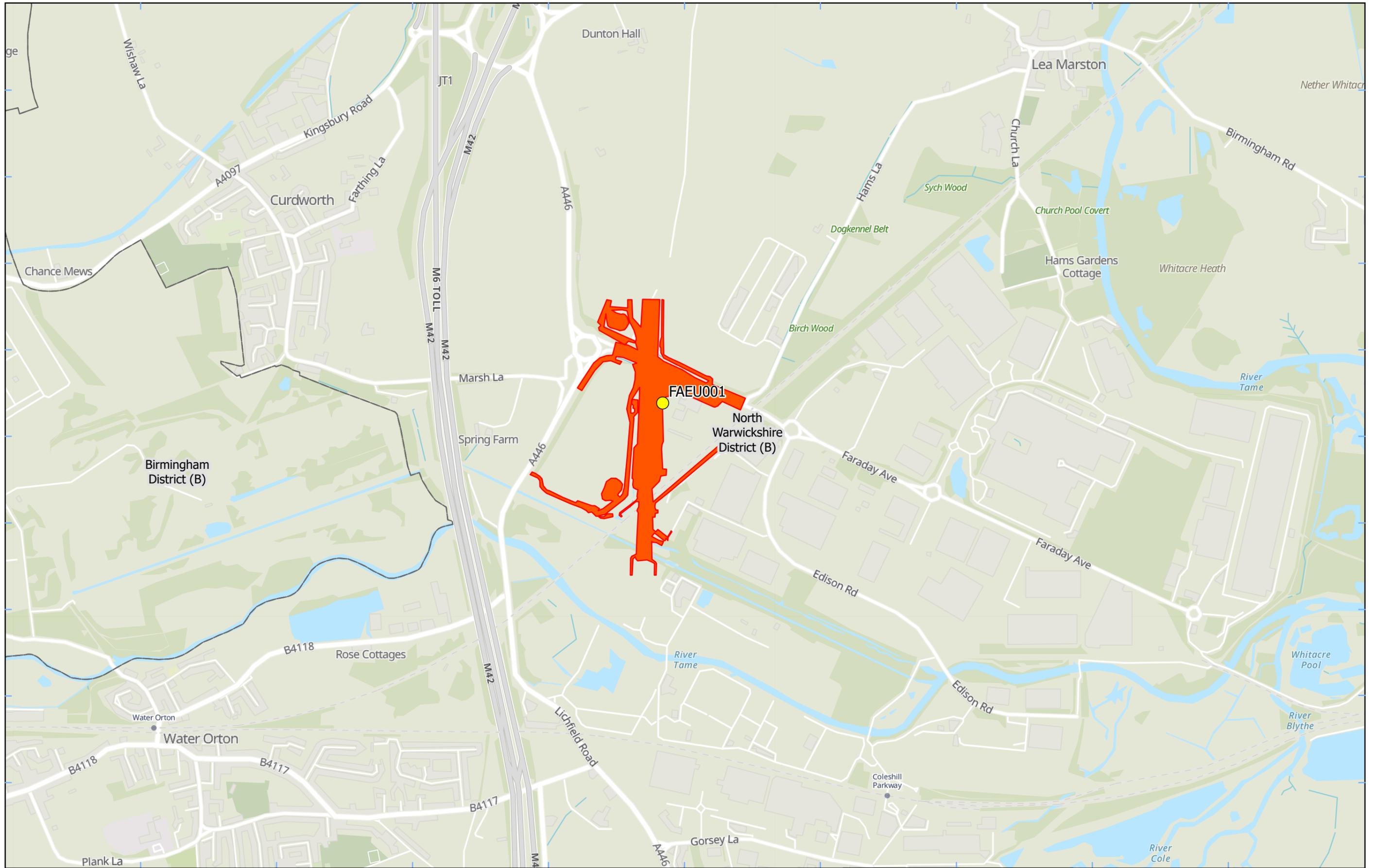
Table 1: Summary of complaints received during December 2025

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-25-128427-E-C	N/A	Strong fishy odour.	The odour is due to a combination of treatments used to process and improve excavated material. This is then stabilised

			and improved by mixing lime through it so that it can be stored and then re-used in other locations on the HS2 project. This is a common technique in construction. The odour is harmless and weather conditions carried the odour to local neighbourhoods. Resident has been updated.
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Appendix A – Worksites and Monitoring Locations

Figures 1 and 2: Worksites and Monitoring Locations within NWBC



Legend

- Dust Monitor
- District Borough Unitary Boundaries
- Worksite

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Map Number

Map Name
**Worksite and Monitoring Locations
In NWBC (Sheet 1)**

North Warwickshire Borough

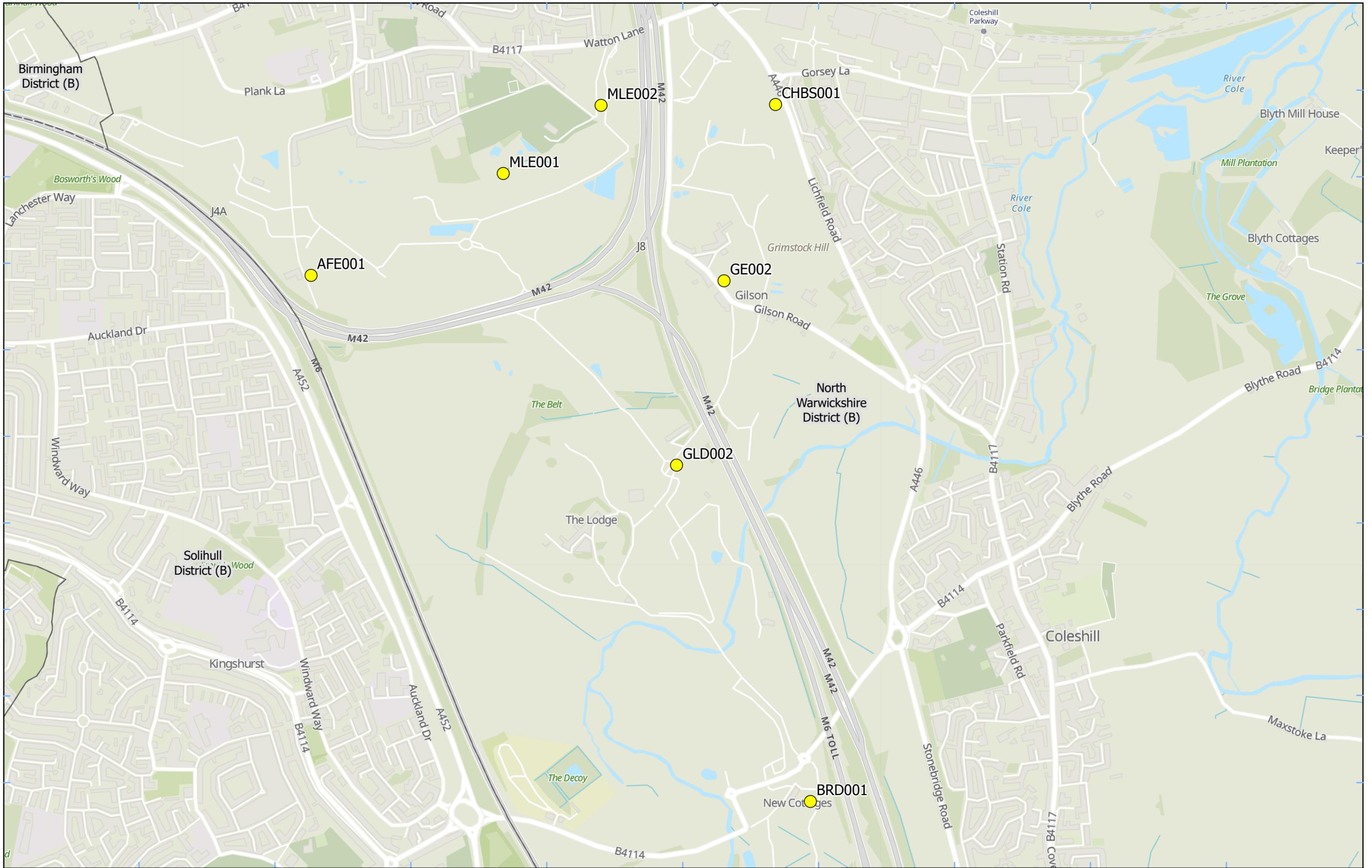
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Legend
 Dust Monitor
 District Borough Unitary Boundaries

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Map Number
 Map Name
**Monitoring Locations
 In NWBC (Sheet 2)**
 North Warwickshire Borough

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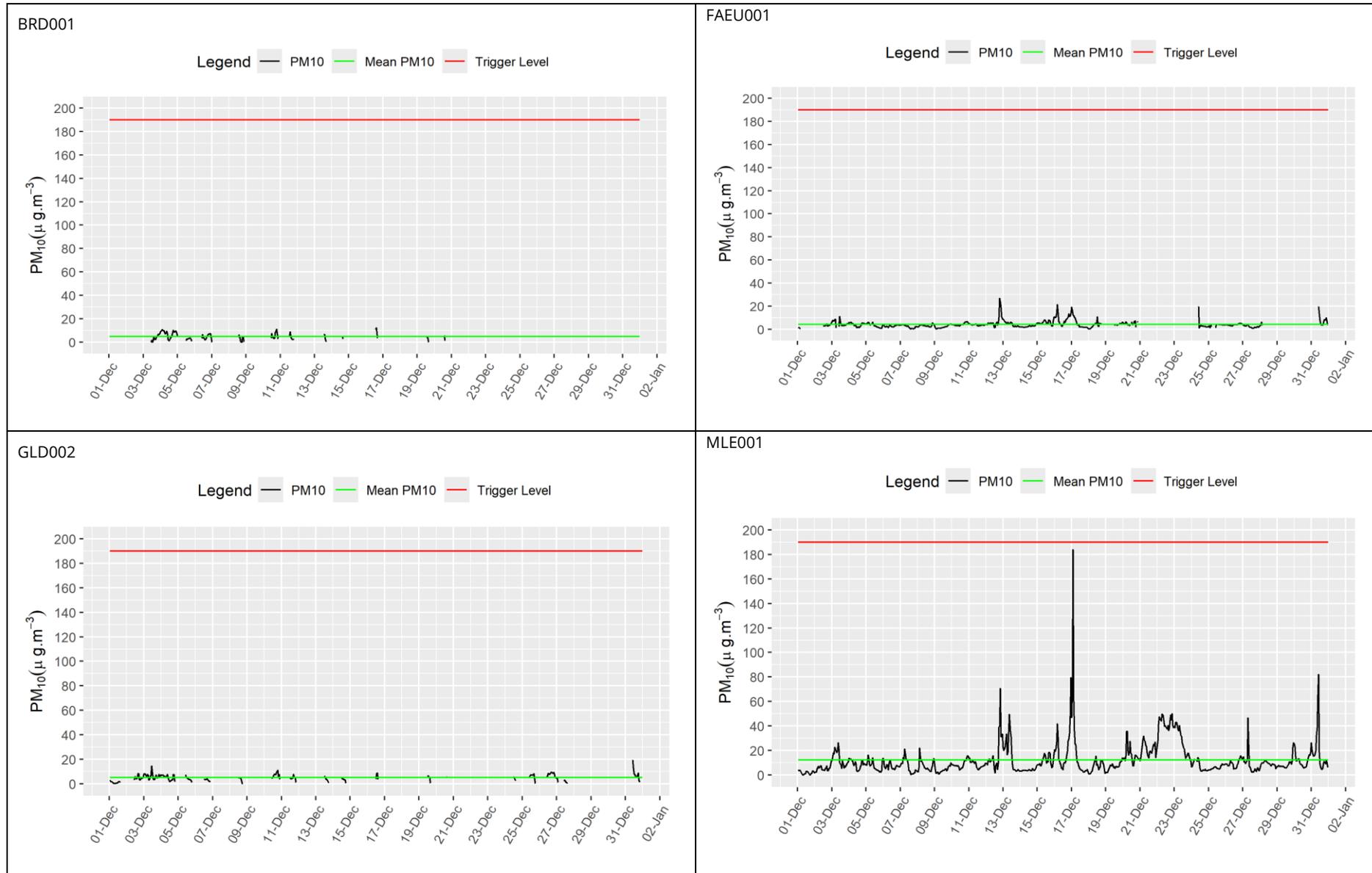
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Appendix B – Dust Monitoring Results

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 (%)
BRD001	419262, 288328	New Cottage, Birmingham Road, Coleshill	L	Yes	No	4.9	0.1	12.5	0	14.5
FAEU001	419164, 292273	Faraday Avenue Embankment and Underbridge, at Orchard Cottage	L	Yes	No	4.4	0.2	26.9	0	70.6
GLD002	418807, 289570	Gilson Drive	L	Yes	No	5.2	0.2	34.9	0	26.6
MLE001	418205, 290509	Vicarage Lane	L	Yes	No	12.3	0.1	183.8	0	100.0
AFE002	417455, 290269	Attleboro Farm, Attleboro Lane	L	Yes	No	-	-	-	-	-
GE002	418886, 290192	Lovegrove Cottage, Gilson Road	M	Yes	No	11.8	0.1	122.9	0	100.0
CHBS001	419155, 290755	6 Gorsey Way, Lichfield Road	L	Yes	No	5.3	0.1	28.3	0	62.0
MLE002	418547, 290747	Rugby Club	L	Yes	No	2.0	0.1	18.3	0	63.8

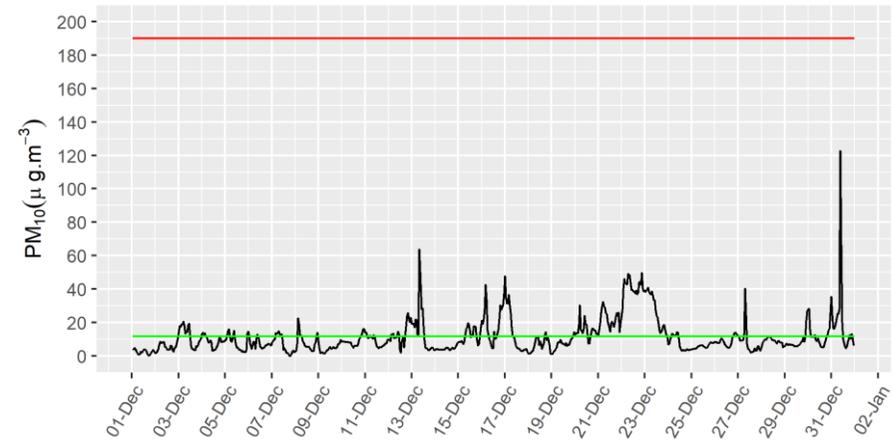
Figure 3: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



AFE001
NO DATA

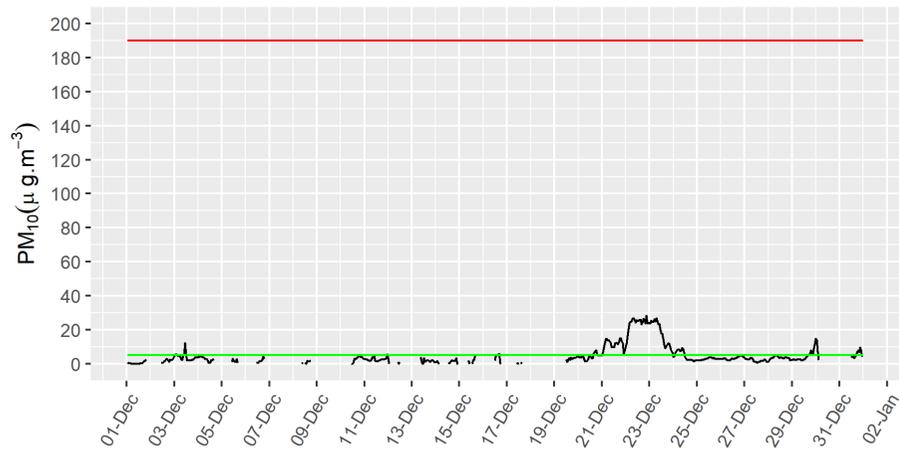
GE002

Legend — PM10 — Mean PM10 — Trigger Level



CHBS001

Legend — PM10 — Mean PM10 — Trigger Level



MLE002

Legend — PM10 — Mean PM10 — Trigger Level

