

Air Quality and Dust Monitoring Monthly Report – May 2026

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.

High Speed Two (HS2) Limited,
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

A report prepared by EWCs and MWCCs on behalf of HS2 Ltd.

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2026, except where otherwise stated. Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v3.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/3 **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



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 May 2026.
- 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

- Gilson Road Realignment works (dig and replace, highway fill, capping, sub-base, tarmac, highway drainage works, kerbing, cutting).
- Gilson Embankment (technical backfill).
- Gilson Auto-Transformer Station (ATS).
- Trial hole for exposing utilities.
- Stockpile management.

Attleboro Lane Overbridge

- Construction of embankments.
- Excavation of borrow pit.
- Operation of plant and equipment.
- Removal of tunnel material from laydown.
- Breaking out of concrete slab in Sublot 1b area.

Sublot 7

- W01: Erected span P27/28 and 28/29.
- W02: Erected span P25/26.
- RTWDT: Erected P2/3 and P3/4.
- RTE: Swivel crane load test, mast transfer and span commissioning P1/2.
- Area 0: Segment delivery / preparation.
- RTW ST: Robust kerb and OCS mast concrete poured.

Sublot 6NC

Marsh Lane Embankment

- Construction of embankments.
- Excavation of borrow pit.
- Operation of plant and equipment.

Sublot 5N

Chattle Hill Box Structure

- Construction of P1E and W, A2W pile cap, and A2E pile cap.

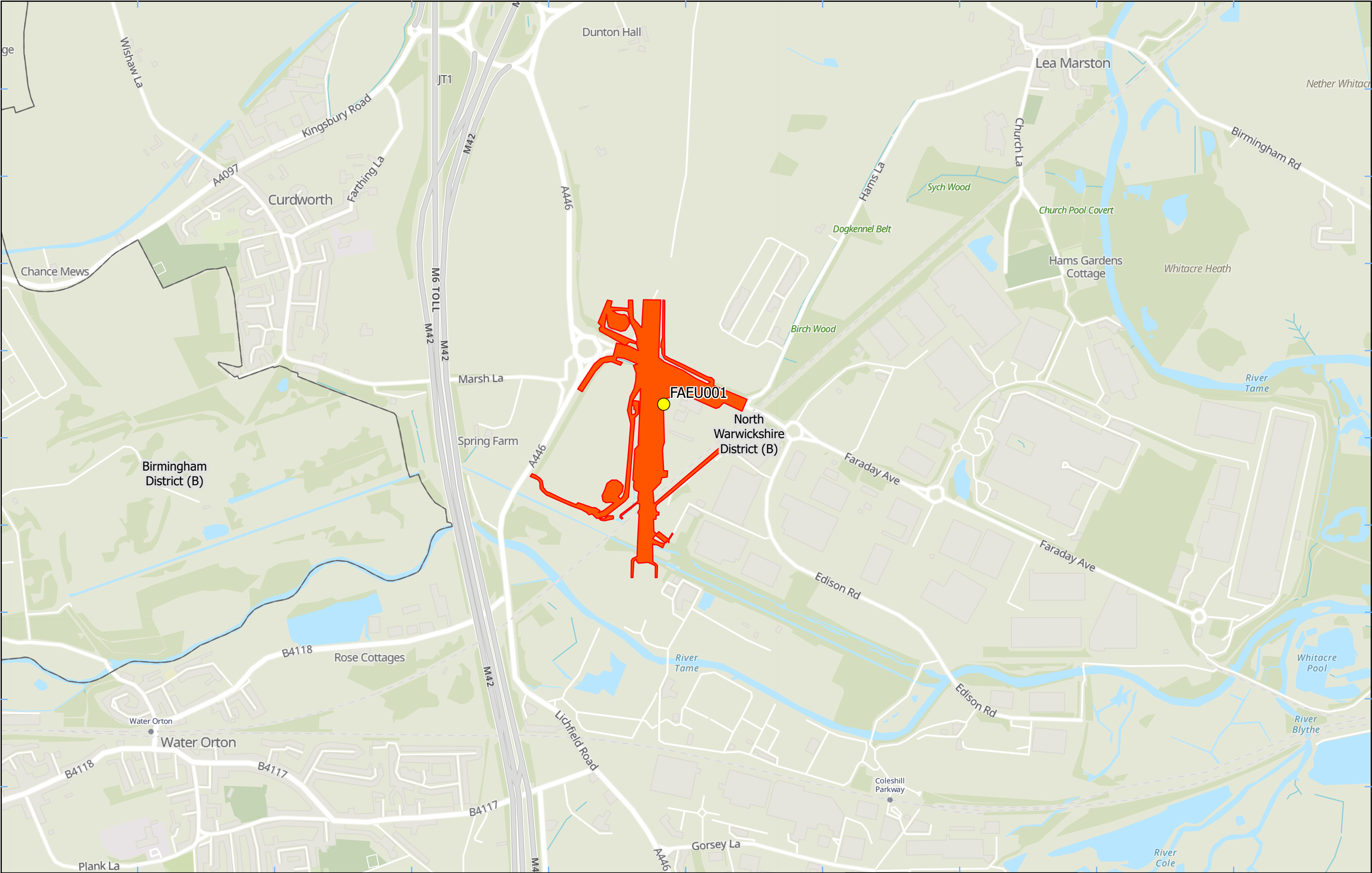
- 1.1.5 Seven (7) dust monitors are installed around these worksites, where works are underway. These sites returned a low to medium dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 2, together with line charts of monthly data from each dust monitor presented 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 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 3.
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor BRD001 – A monitor swap out was done on 26th May 2026. After this site visit, the technical issues were resolved.
 - Monitor CHBS001 – A fault investigative site visit was done on 4th June 2026. After this site visit, the technical issues were resolved.
 - Monitor FAEU001 - A field calibration is scheduled for 25th June 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 May 2026

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-26-47414-C	N/A	Car covered in dust.	Still under investigation at the time of running report.
HS2-26-47421-C	N/A	Dust has increased in the area.	Still under investigation at the time of running report.

Appendix A – Worksites and Monitoring Locations

Figures 1 and 2: Worksites and Monitoring Locations within NWBC



Legend

- Dust Monitor
- Worksite
- District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Map Number

Map Name

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

North Warwickshire Borough

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway,
Birmingham B4 6GA.

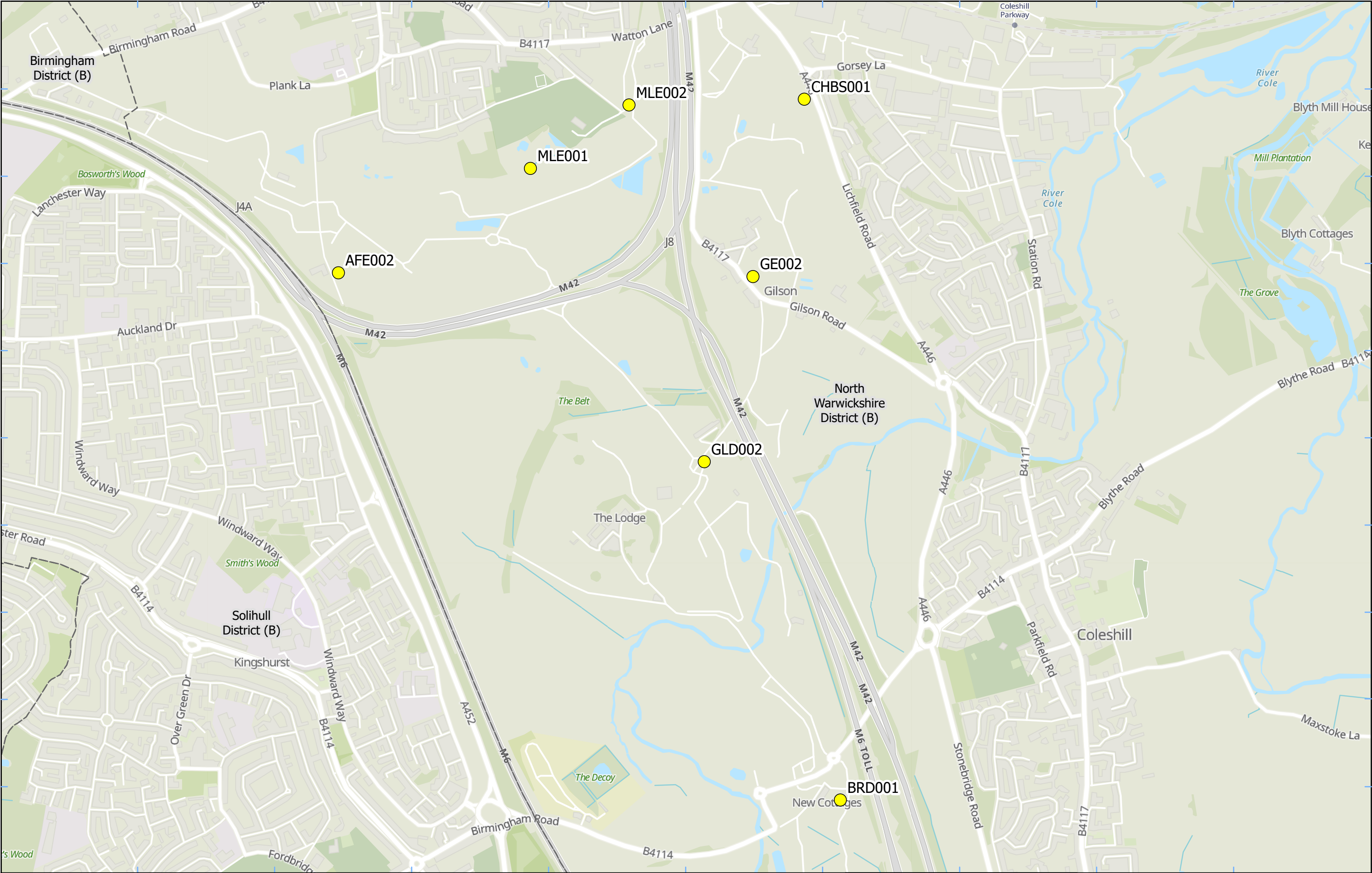
© Crown copyright and database rights 2024.
Ordnance Survey Licence Number 100049190.

Doc Number:

Scale at A3: 1:11,000

Metres

Date: 19/12/24



Legend

- Dust Monitor
- District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2026.
Contains data from OS Zoomstack

Map Number

Map Name

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

North Warwickshire Borough

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway,
Birmingham B4 6GA.

© Crown copyright and database rights 2026.
Ordnance Survey Licence Number 100049190.

Doc Number:

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:12,000

Metres

Date: 28/04/26

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	6.7	0.1	26.8	0	43.1
FAEU001	419164, 292273	Faraday Avenue Embankment and Underbridge, at Orchard Cottage	L	Yes	No	6.3	0.4	29.8	0	86.2
GLD002	418808, 289492	Gilson Drive	L	Yes	Yes	9.9	1.2	61.8	0	100.0
MLE001	418205, 290509	Vicarage Lane	L	Yes	No	8.3	0.6	33.3	0	100.0
AFE002	417539, 290147	Attleboro Farm, Attleboro Lane	L	Yes	No	8.6	0.1	222.5	2	100.0
GE002	418886, 290192	Lovegrove Cottage, Gilson Road	M	Yes	No	7.5	0.5	29.7	0	100.0
CHBS001	419155, 290755	6 Gorsey Way, Lichfield Road	L	Yes	No	1.1	0.1	20.1	0	90.2
MLE002	418547, 290729	Rugby Club	L	Yes	No	10.1	0.5	60.0	0	100.0

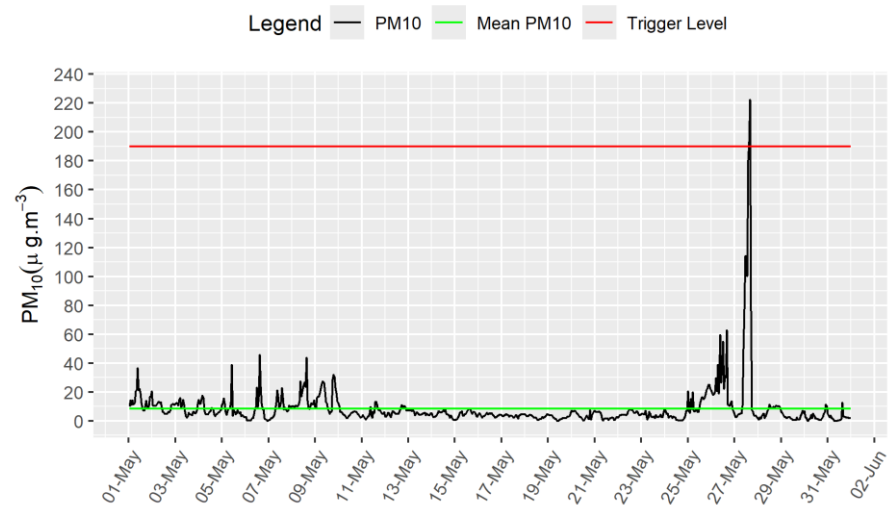
Table 2: Summary of exceedances during period (May 2026)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
AFE002	27/05/2026 14:01 - 15:00; 193.3 $\mu\text{g m}^3$ 15:01 - 16:00; 222.5 $\mu\text{g m}^3$	Exceedances are thought to be caused by road head works and aggregate movement.	Dust suppression activities are undertaken on site (in the form of water bowzers) to control the dust levels in the area.

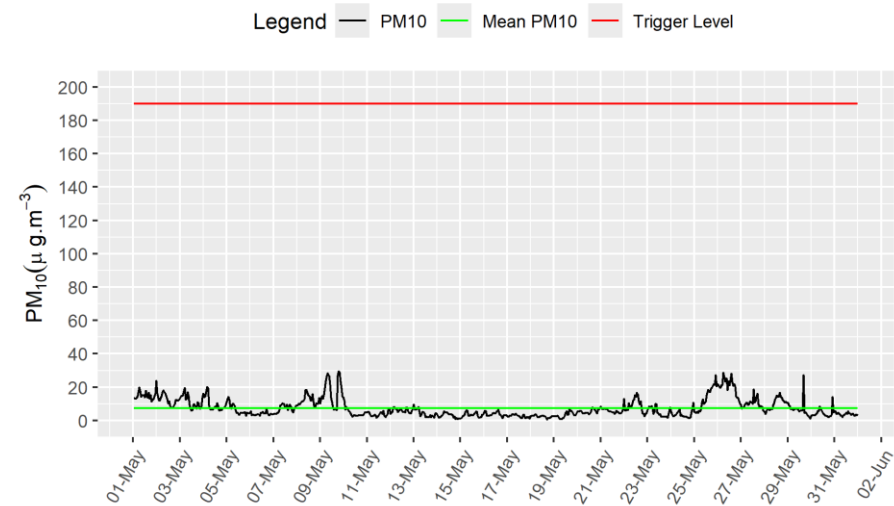
Figure 3: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



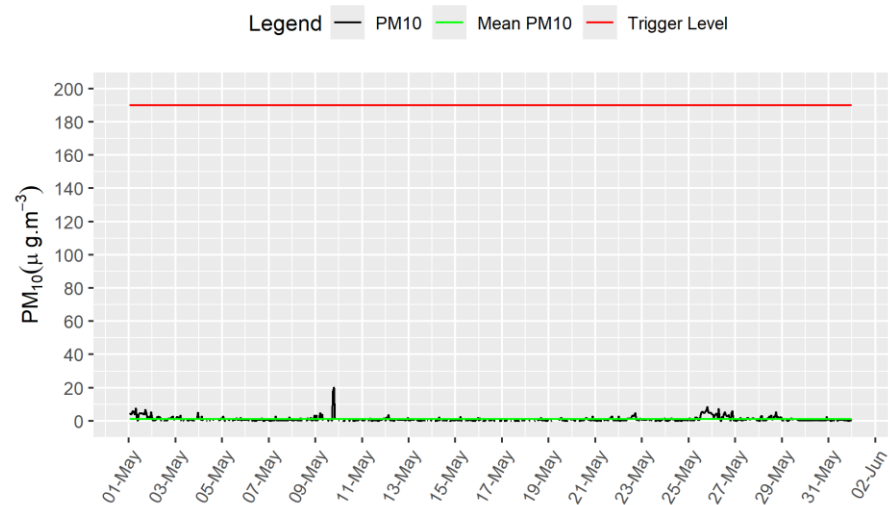
AFE002



GE002



CHBS001



MLE002

