

Air Quality and Dust Monitoring Monthly Report – June 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.

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, 2025, 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 June 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

- General site maintenance.

Attleboro Lane Overbridge

- Attleboro Flyover Retaining Wall – Secants pile installation & temporary sheet piles.
- Attleboro Flyover Retaining Wall – Capping beams, walls and roof slab.
- Attleboro Flyover Retaining Wall – Base slab construction
- Attleboro Farm Embankment Retaining Wall – Secants pile installation & temporary sheet piles.
- Attleboro Farm Embankment Retaining Wall – Capping beams, walls and roof slab.
- Attleboro Farm Embankment Retaining Wall – Base slab (including drainage).
- Attleboro Farm Embankment Retaining Wall – Walls construction.

Sublot 7

Faraday Avenue Embankment and Underbridge

- No works took place in June 2025.

Marston Box

- Completion of some drainage works on the Marston Lane Bridge for maintenance.

Sublot 6NC

Marsh Lane Embankment

- Creation of Piling Platforms & Load Transfer Platforms.
- Dig and replace.
- Embankment Construction.
- Compound Operation & Haul Road Maintenance.
- Stockpile operation.
- Haul road operation (during the day).
- Operation of material deposit/removal from the borrow pit (only materials deposit will occur during the night).
- Site generators.
- Haul road operation (evening/night).
- Traffic management.

Sublot 5N

Chattle Hill Box Structure

- Bachy Soletanche Balfour Beatty Ground Engineering joint venture (SB3) Piling works.
- Bored piling activities.
- Concreting piles.
- Site maintenance.
- SB3 demobilisation after completed piling works.
- Collection of rig.
- Emptying and cleaning tanks.

- 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 No (0) dust trigger alerts were recorded during the monitoring period (June 2025).
- 1.1.9 Data capture was below 90% for multiple monitors due to:

- Monitor FAEU001- A lab calibration monitor swap out was conducted on 10th June 2025, and a fault investigation site visit was completed on 26th June 2025. Another lab calibration swap out is scheduled for 15th July 2025, and a field calibration is scheduled for 24th July 2025.
- Monitor CHBS001 – A monitor swap out was completed on 2nd July 2025. After this site visit, the technical issues were resolved.
- Monitor GLD002 – A fault investigation site visit was done on 12th June 2025, and a monitor move was done on 18th June 2025. A lab calibration monitor swap out is scheduled for 15th July 2025, and a field calibration is scheduled for 25th July 2025.

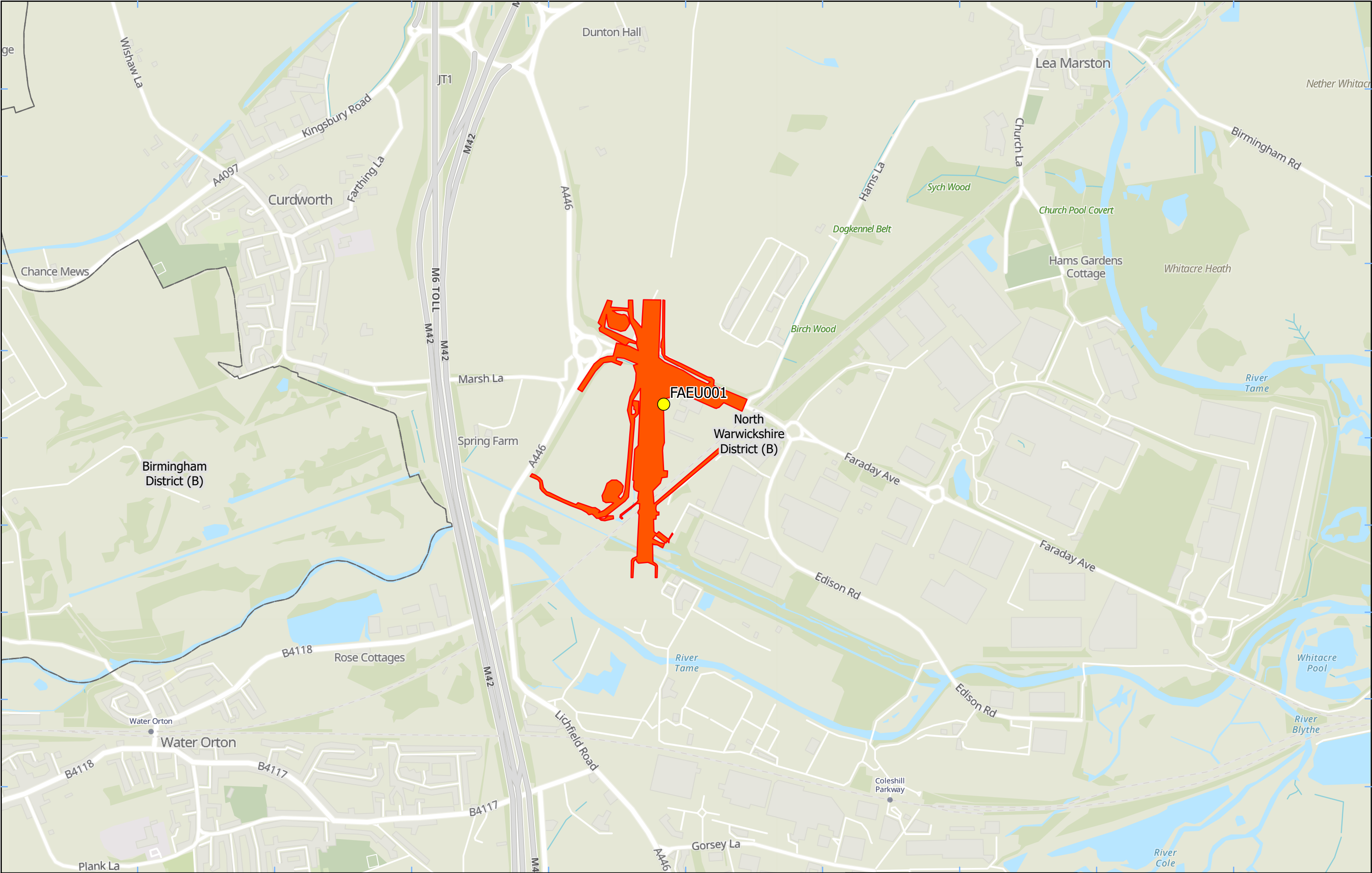
1.1.10 Table 1 provides a summary of the complaint information relating to dust or air quality received during the reporting period, together with the findings of any related investigations.

Table 1: Summary of complaints received during June 2025

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-25-46458-C	N/A	Increased amount of dust on personnel property.	All mitigation measures in place to reduce dust on site, all monitors checked no exceedances recorded. Sahara dust events have affected most of the UK leaving a reddish residue. Resident has been informed.

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

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.

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

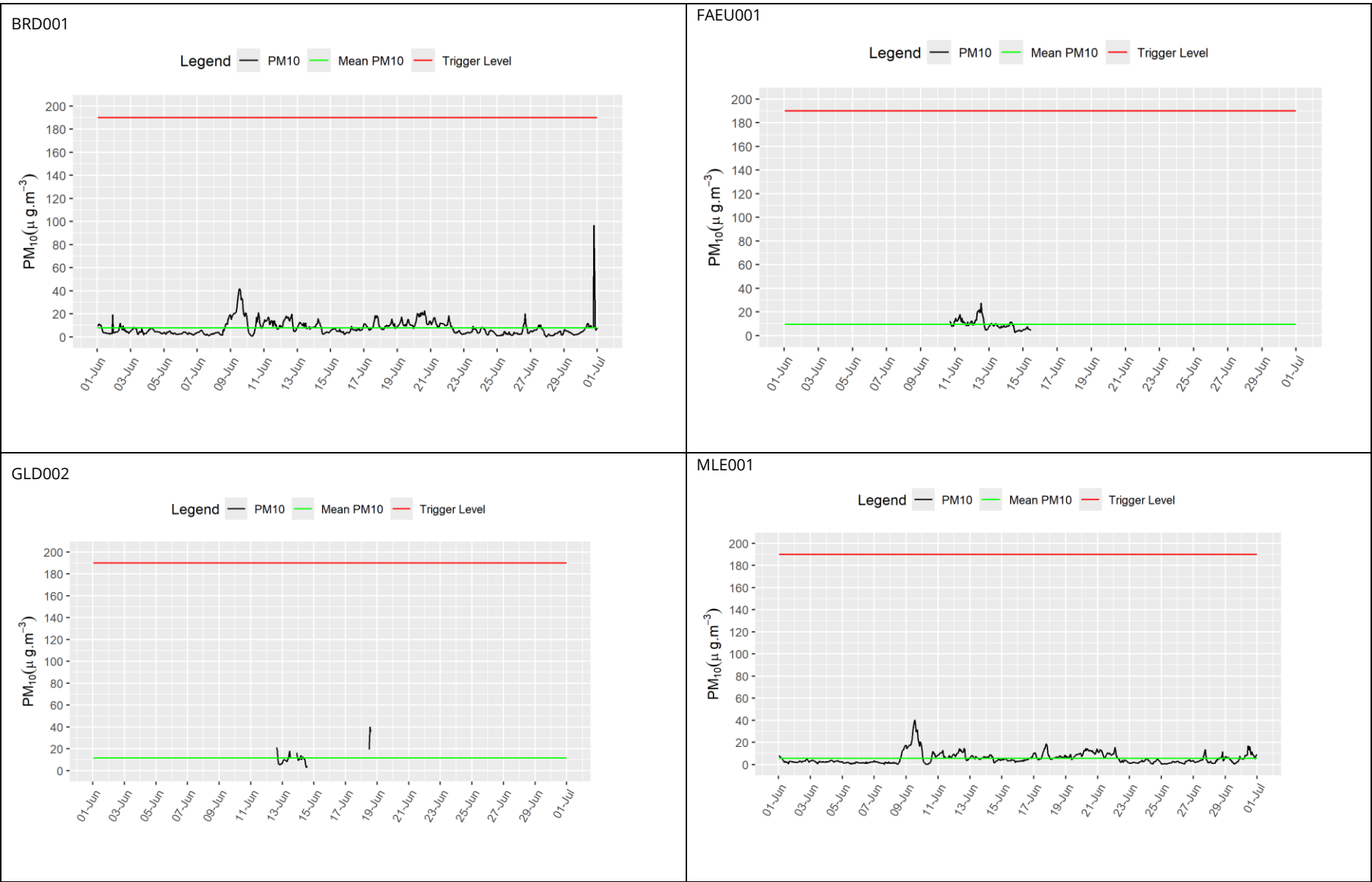
Metres

Date: 19/12/24

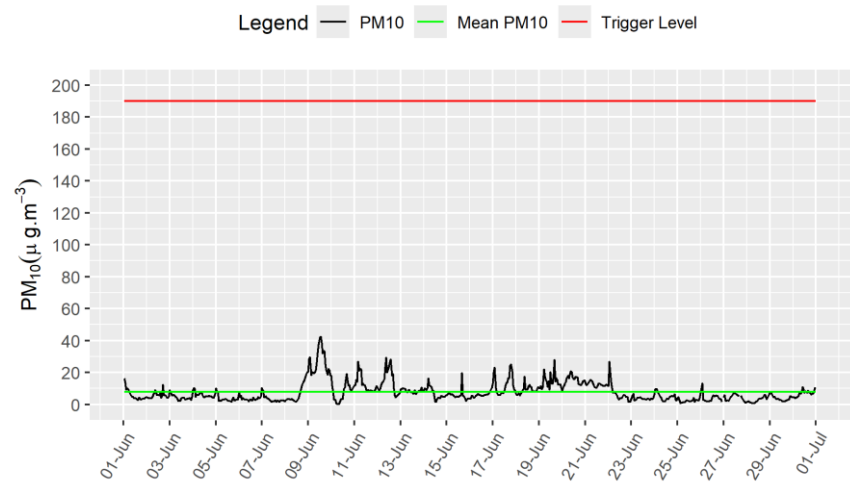
Appendix B – Dust Monitoring Results

Table 2: Dust Monitoring Locations and Results

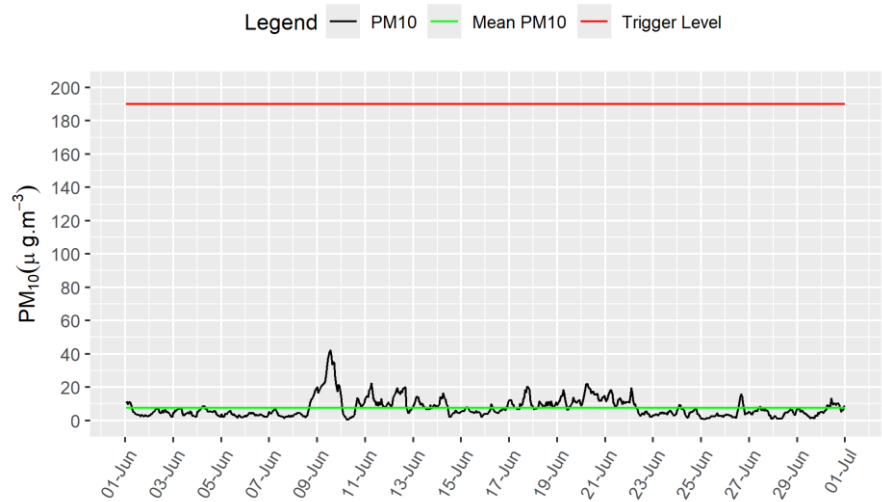
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1- hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
BRD001	419279, 288315	New Cottage, Birmingham Road, Coleshill	L	Yes	No	7.7	0.2	96.8	0	100.0
FAEU001	419166, 292265	Faraday Avenue Embankment and Underbridge, at Orchard Cottage	L	Yes	No	9.5	2.7	27.5	0	16.0
GLD002	418811, 289490	Gilson Drive	L	Yes	Yes	11.6	3.0	40.0	0	6.0
MLE001	418205, 290509	Vicarage Lane	L	Yes	No	5.6	0.1	40.1	0	100.0
AFE001	417533, 290153	Attleboro Farm, Attleboro Lane	L	Yes	No	7.8	0.2	42.5	0	99.7
GE002	418977, 290134	Lovegrove Cottage, Gilson Road	M	Yes	No	7.6	0.5	42.2	0	100.0
CHBS001	419157, 290750	6 Gorsey Way, Lichfield Road	L	Yes	No	7.9	0.2	50.3	0	85.7



AFE001



GE002



CHBS001

