HS2

August 2026

Air Quality and Dust Monitoring Monthly Report – August 2026

Birmingham City Council

© HS2 Ltd.

gov.uk/hs2

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.

recycle

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 dust monitoring undertaken within Birmingham City Council (BCC) during August 2026.

1.1.2 Figure 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 4

Washwood Heath

- Haul Road maintenance.
- Use of DD1b Depot Platform Construction.
- Standard site accommodation use (welfare).
- Batching plant activities.
- Crusher and screener operations.

Curzon Street

- Curzon 2: bridge launching, installation of transversal and longitudinal guides, dismantling launching nose, welding works on rear beam, cutting strand cables.
- Curzon 1: platform construction, welding shelter assembly, pre-assembly table installation, erecting of main girders onto pre-assembly table.
- Sitewide: movement of welfare cabins, removal of hydraulic jacks, erection of scaffold towers, platform maintenance.
- Traffic on main site haul road, including haul road maintenance with excavator, Articulated Dump Trucks, dozer and roller to compact.
- Tarmac batching plant operations, including delivery of aggregates, operating plant and concrete wagons.
- Stockpile management and crushing / screening activities.
- Haul road maintenance.
- GL8 tripod welding works in Curzon 3 (day and night shift activity).

Curzon Street- Eastern Side

- Import of materials
- Export of excavated materials

- Excavation and construction of pile caps
- Movement and stockpiling of excavated materials within the site boundary
- Installation of concrete piers
- Installation of U-beams across concrete piers

Sublot 1B

Bromford East Tunnel Portal

- Civils
  - Backfilling and compaction works.
  - Aerobox and collar works in the shaft area.
  - General loading and unloading of vehicles.
  - Drainage works.
  - Concrete crushing works at muck bin area.
  - General strimming works.
  - General housekeeping works.
- Tunnel
  - Cross passage works.
  - General loading and unloading.
  - PJD Batching works.

1.1.5 Eight (8) dust monitors are installed around these worksites, where works are underway. These sites returned a low to high 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 each dust monitor, 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.

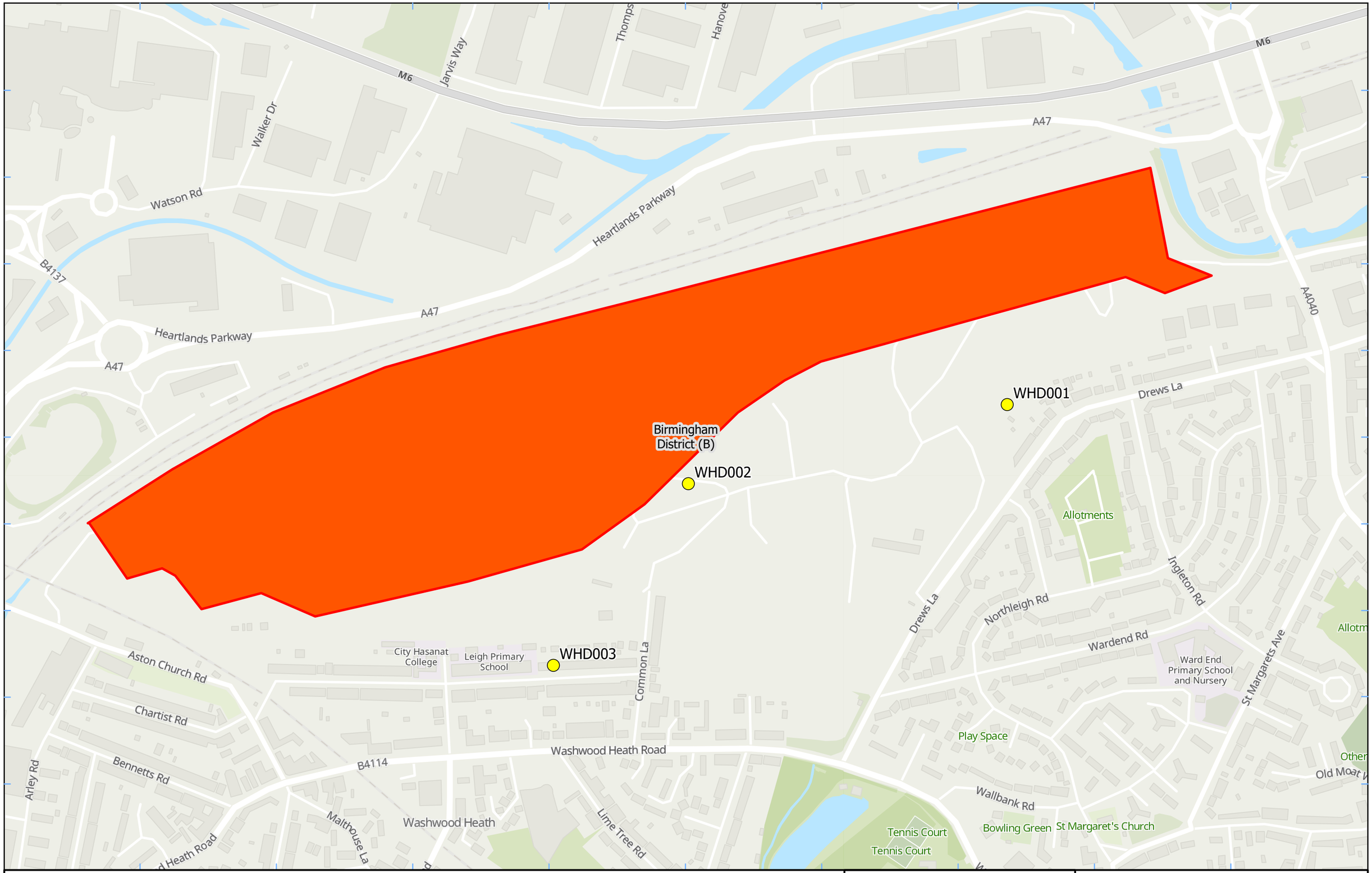
1.1.8 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.

1.1.9 Data capture was below 90% at multiple monitors due to power supply and equipment issues. Monitor BETP002 and WHD003 were affected by power supply issues, while CSS_D_02 experienced a software issue that has since been resolved.

1.1.10 There were no (0) complaints received during the reporting period (August 2026).

Appendix A – Worksites and Monitoring Locations

Figures 1 - 3: Worksites and Monitoring Locations within BCC



Legend

District Borough Unitary Boundaries Worksite

Dust Monitor

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 BCC (Sheet 1)

Birmingham City Council

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.

Scale at A3: 1:5,000

Metres

Doc Number:

Date: 22/01/24



Legend

District Borough Unitary Boundaries — Worksite

Dust Monitor

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 BCC (Sheet 2)

Birmingham City Council

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.

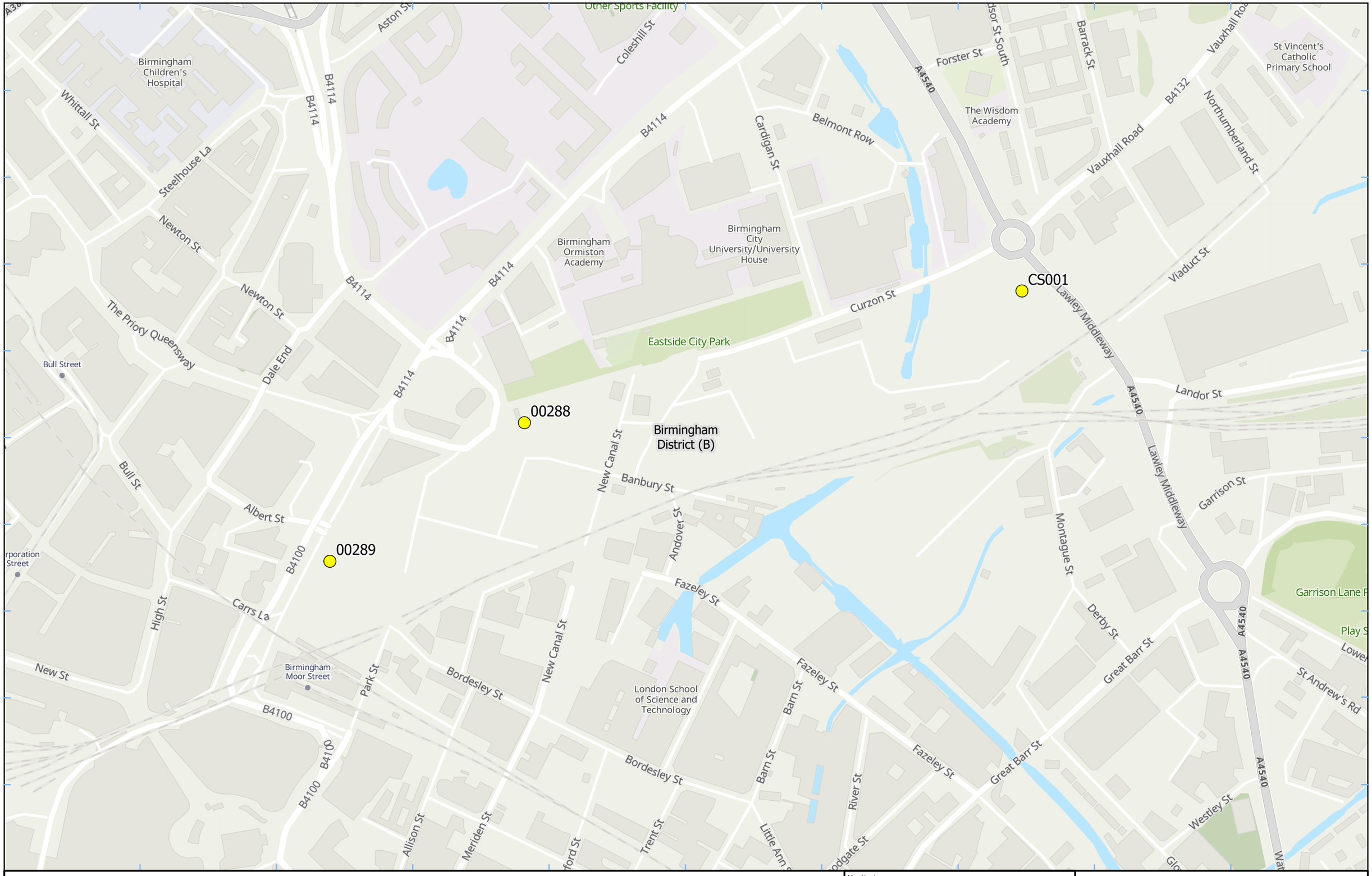
© Crown copyright and database rights 2024.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:4,000

Metres

Doc Number:

Date: 22/01/24



Legend

- Dust Monitor
- 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

Monitoring Locations In BCC (Sheet 3)

Birmingham City Council

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.

Scale at A3: 1:4,000

Metres

Doc Number:

Date: 02/07/24

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 PM10 concentration (µg/m3)	Minimum 1-hour PM10 concentration (µg/m3)	Maximum 1-hour PM10 concentration (µg/m3)	Number of 1-hour periods exceeding trigger level of 190 µg/m3	Data capture (%)
WHD001	411221, 289245	Washwood Heath Depot, near receptors on Drews Lane	M	Yes	No	7.1	0.3	51.0	0	100.0
WHD002	410758, 289130	Washwood Heath Depot, near receptors on Common Lane	M	Yes	No	7.0	0.5	81.8	0	100.0
WHD003	410562, 288866	Washwood Heath Depot, near receptors on Warren Road	M	Yes	No	2.8	0.1	25.3	0	54.0
BETP001	416719, 290767	Bromford East Tunnel Portal, Twisted Oak Stables	L	Yes	No	7.1	1.1	52.7	0	100.0
BETP002	417406, 290605	Bromford East Tunnel Portal, Attleboro Lane	L	Yes	No	6.0	0.1	32.8	0	87.9
CS001	408254, 287210	University Locks, Curzon Street	M	Yes	No	6.7	0.1	40.9	0	100.0
CSS_D_01	407450, 286896	Curzon St – Moor Street Queensway (GL01)	H	Yes	No	17.7	0.1	146.4	0	100.0

CSS_D_02	407676, 287057	Curzon St – East Side City Park (GL7.5/08)	H	Yes	No	21.0	0.1	233.9	3	87.2

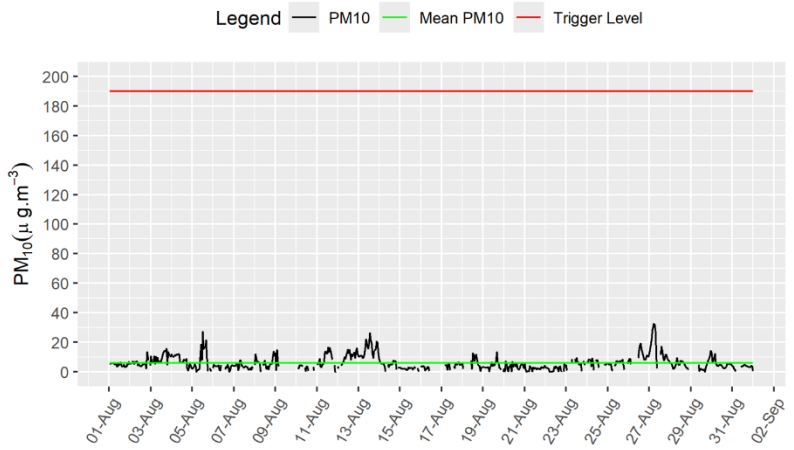
Table 2: Summary of exceedances during period (August 2026)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
CSS_D_02	11/08/2026 8:01 – 9:00; 222.7µg/m³ 09:01 – 10:00; 233.9 µg/m³ 10:01 – 11:00; 210.3 µg/m³	L4 Near miss raised for exceedance alerts. Dry weather has continued through August and dust mitigation measures continue to be deployed throughout the site. The area was immediately investigated after each alert, and no airborne dust was visible and dust suppression was in place across the site.	It was recommended that the sensor be investigated for potential issues as no dust was visible in the area at the time of the alerts. Dust suppression measures are still in place across the site as dry weather has continued. Permission was received from Birmingham City Council to start dust suppression activities in the shoulder hour ahead of works and traffic starting on site.

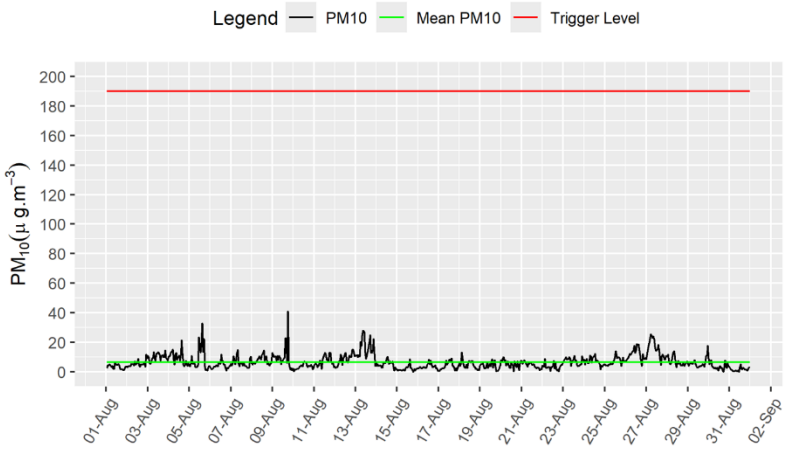
Figure 4: Construction dust 1-hour mean indicative PM_{10} concentration for all dust monitors



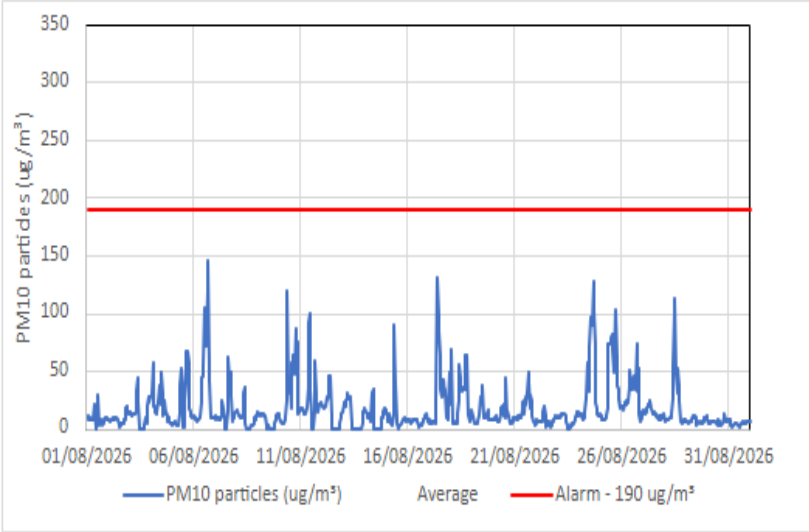
BETP002



CS001



CSS_D_01



CSS_D_02

