

Air Quality and Dust Monitoring Monthly Report – January 2026

Birmingham City 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 dust monitoring undertaken within Birmingham City Council (BCC) during January 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

- Traffic on main site haul road, including haul road maintenance with excavators, Articulated Dump Trucks (ADTs), dozers and rollers to compact.
- Vehicle delivery check area, including reversing vehicles and loading / unloading plant / material deliveries.
- Installing drainage line close to site hoarding.
- De-vegetation works along site boundary.
- De-weeding works.
- Stockpile management and crushing / screening activities.
- Tarmac batching plant operations, including delivery of aggregates, operating plant and concrete wagons.

Curzon Street

- Traffic on main site haul road, including haul road maintenance with excavator and rollers to compact.

Bromford East Tunnel Portal (Sublot 1B)

- STP1 decommissioning.
- Supporting deliveries.
- Site generator.

- Site offices – maintenance / deliveries.
- Road sweeping and dust suppression.
- Operation of 1 No. mechanical workshop.
- Muck away to SL Delta – haul roads.
- Operation of TBM material store.
- Aerodynamic structure.
- Building construction: tower crane operation.
- Tunnel strip out (including ground treatment and batching plant operation).

Curzon Street Station – Pre-main works

- Installation of bearing and secant piles
- Import of materials required for piling activities
- Export of excavated materials – including commencement of bulk dig
- Earthworks required for installation of site compound
- Excavation and construction of pile caps
- Movement and stockpiling of excavated materials within the site boundary

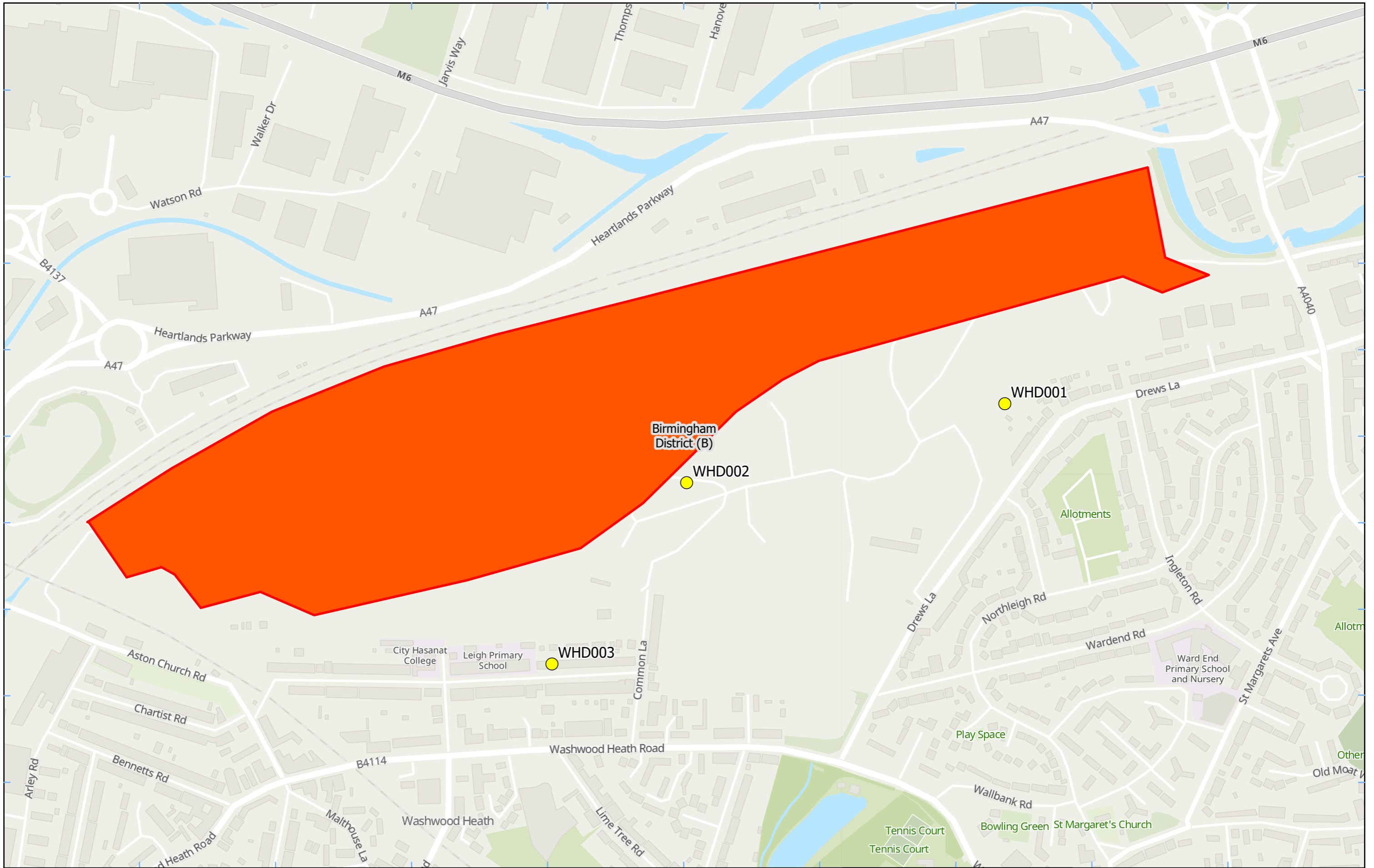
- 1.1.5 Eight (8) dust monitors are installed around these worksites, where works are underway. These sites returned a low to high dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor, presented 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 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 Fifteen (15) dust trigger alerts were recorded during the monitoring period (January 2026) at monitor BETP001. This was due to a technical fault with the monitor and the erroneous exceedances have been removed from the reported data.
- 1.1.9 Data capture was below 90% for multiple monitors due to:

- BETP001 experienced a technical fault with the monitor and the erroneous exceedances have been removed from the reported data. The monitor was swapped out on 23rd January 2026. After the site visit, the issues were resolved.
- BETP002 experienced power supply issues. A battery refresh is scheduled for 23rd January 2026.
- WHD002 experienced power supply issues. A battery refresh took place on 20th January 2026. After the site visit, the issues were resolved.
- WHD003 experienced technical issues. A field calibration and dust full workup took place on 20th January 2026. The monitor has been flagged for low results and is currently under investigation, though no fault has been found.
- CS001 experienced technical issues. The monitor was swapped out on 6th January 2026. A field calibration took place on 27th January 2026. The monitor has been flagged for low results and is currently under investigation, though no fault has been found.

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

Appendix A – Worksites and Monitoring Locations

Figures 1 - 3: Worksites and Monitoring Locations within BCC



Legend
 [Red outline] District Borough Unitary Boundaries [Red fill] Worksite
 [Yellow dot] 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
 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: 1:5,000



Date: 22/01/24



Legend
 [---] District Borough Unitary Boundaries [Red Box] Worksite
 [Yellow Dot] 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

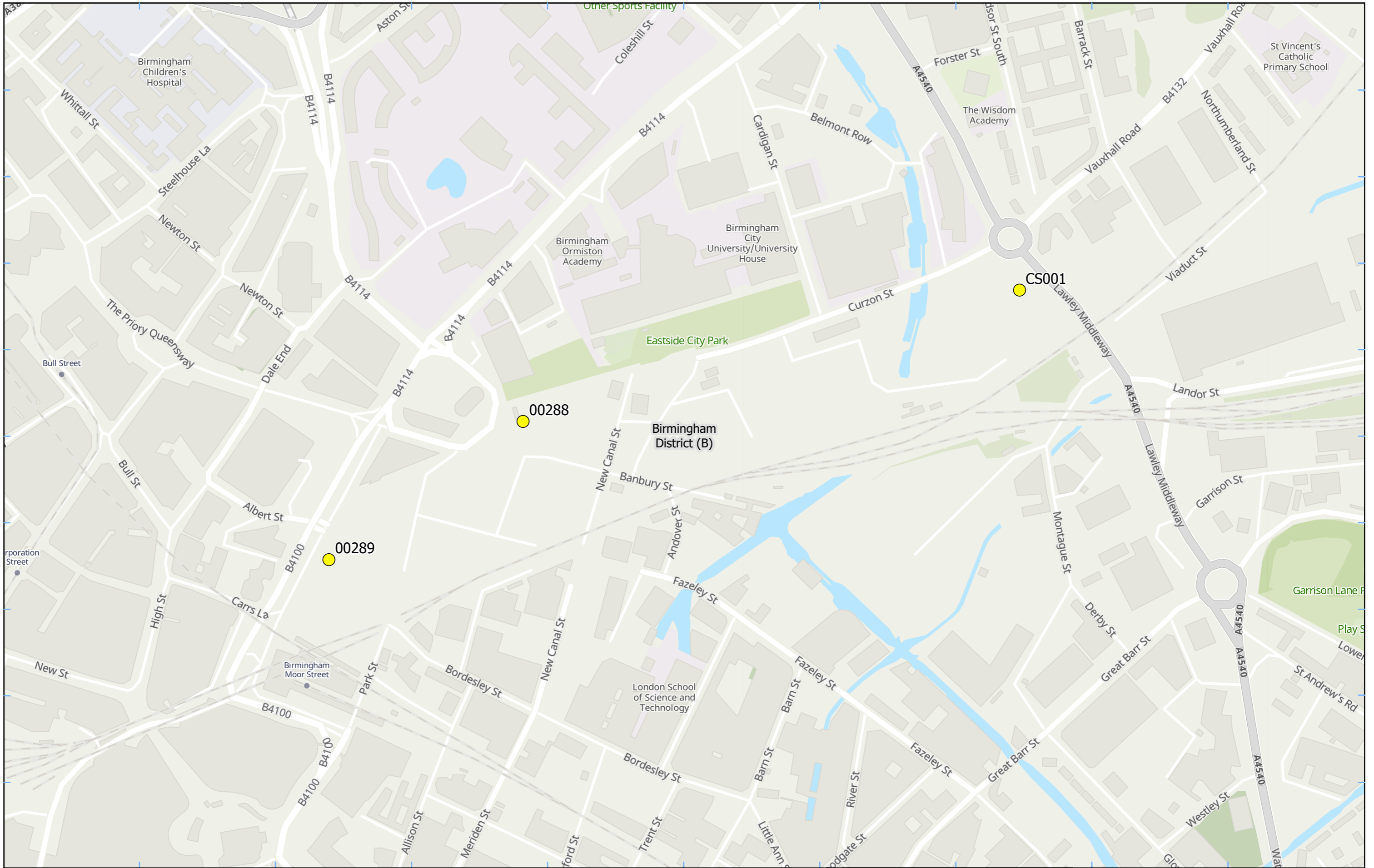

 HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.
 

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
 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: 1:4,000

Metres

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	Yes	2.2	0.1	51.2	0	94.6
WHD002	410758, 289130	Washwood Heath Depot, near receptors on Common Lane	M	Yes	No	8.4	0.1	44.5	0	86.0
WHD003	410562, 288866	Washwood Heath Depot, near receptors on Warren Road	M	Yes	No	1.2	0.1	23.4	0	80.4
BETP001	416719, 290767	Bromford East Tunnel Portal, Twisted Oak Stables	L	Yes	No	8.8	0.1	131.5	0	59.8
BETP002	417406, 290605	Bromford East Tunnel Portal, Attleboro Lane	M	Yes	No	2.8	0.1	49.7	0	66.0
CS001	408254, 287210	University Locks, Curzon Street	M	Yes	No	1.4	0.1	10.9	0	72.0
CSS_D_01	407450, 286896	Curzon St – Moor Street Queensway (GL01)	H	Yes	No	12.2	0.7	66.3	0	100.0

CSS_D_02	407676, 287057	Curzon St - East Side City Park (GL7.5/08)	H	Yes	No	15.1	0.9	145.1	0	100.0
----------	-------------------	--	---	-----	----	------	-----	-------	---	-------

Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



