

Air Quality and Dust Monitoring Monthly Report – March 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.

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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 dust monitoring undertaken within Birmingham City Council (BCC) during March 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.
- De-veg works along site boundary close to MPB compound.
- Stockpile management and crushing/screening activities.
- Landscaping works (de-weeding).

Curzon Street

- Traffic on main site haul road, including haul road maintenance with excavators, ADTs, dozers and rollers to compact.
- De-veg works along site boundary close to MPB compound.
- Stockpile management and crushing / screening activities.
- Landscaping works (de-weeding).
- Tarmac batching plant operation, including delivery of aggregates, operating plant and concrete wagons.
- GL8 tripod welding works in Curzon 3 (day and night shift activity).
- Supporting deliveries.
- Site generator.
- Site offices – maintenance and deliveries.
- Road sweeping and dust suppression.
- Pier demolition works.
- Curzon 3 pier drainage works.
- Curzon 3 Deck temporary works.
- Underground utilities works.

Bromford East Tunnel Portal (Sublot 1B)

- Supporting deliveries.
- Site generator.
- Site offices – maintenance and deliveries.
- Road sweeping and dust suppression.
- Operational of No.1 mechanical workshop.
- Transporting muck away to SL Delta via haul roads.
- Operational of Tunnel Boring Machine (TBM) material store.
- Aerodynamic structure and cross passages construction (including concrete batching plant operation, concrete deliveries and use of haul road to transfer concrete).
- Tunnel strip out – breaking concrete rings (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 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 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 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 3.

1.1.9 Data capture was below 90% for the WHD003 monitor due to technical issues. This monitor has been flagged for low results and remains under investigation.

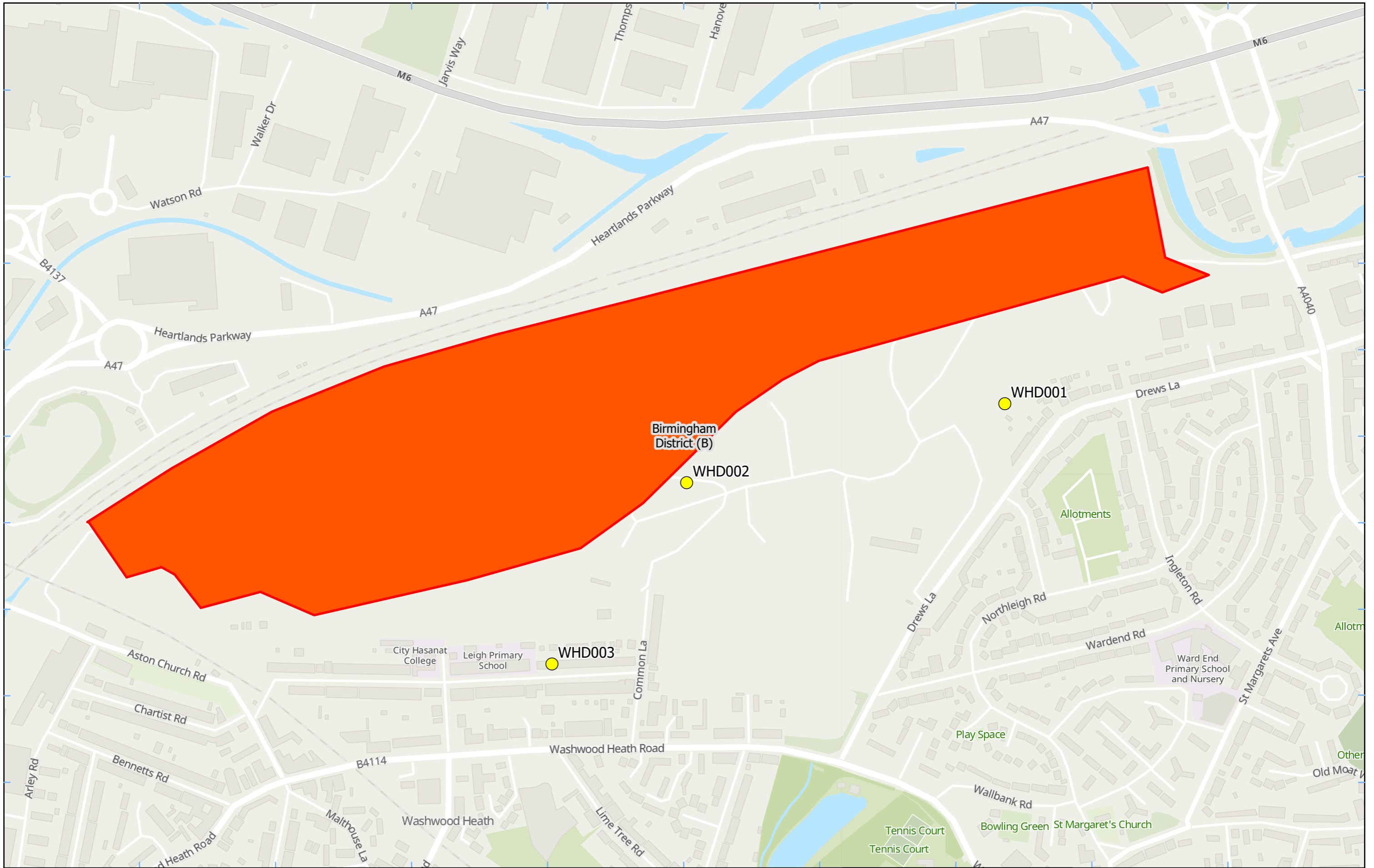
1.1.10 Table 1 provides a summary of the complaint information relating to dust or air quality received during the reporting period, together with the findings of any related investigations.

Table 1: Summary of complaints received during March 2026

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-26-47153-C	N/A	Continuous dust levels.	Due to close proximity of property to works, some disturbances are unavoidable. Every effort is being made to reduce the impact to local residents. All monitors are being closely observed, and all mitigation measures are in place. No exceedances have been recorded. Resident has been updated.

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

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Map Number
 Map Name
**Worksite and Monitoring Locations
 In BCC (Sheet 1)**
 Birmingham City Council

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Legend

- District Borough Unitary Boundaries
- Worksite
- Dust Monitor

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Map Number

Map Name
**Worksite and Monitoring Locations
In BCC (Sheet 2)**

Birmingham City Council

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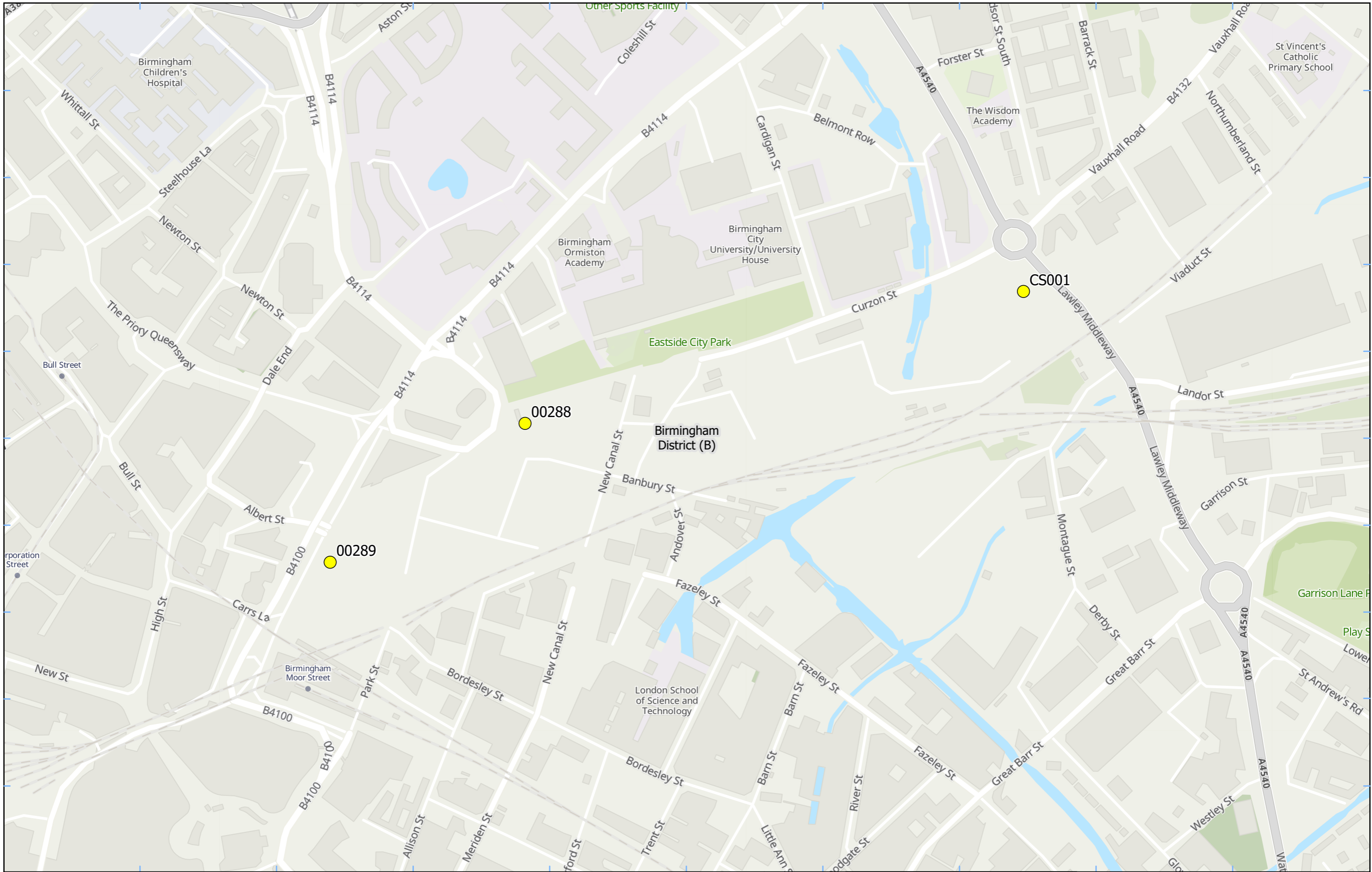
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Legend
 Dust Monitor
 District Borough Unitary Boundaries

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Map Number
 Map Name
**Monitoring Locations
 In BCC (Sheet 3)**
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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 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	2.4	0.1	116.3	0	98.3
WHD002	410758, 289130	Washwood Heath Depot, near receptors on Common Lane	M	Yes	No	12.4	0.1	69.3	0	99.5
WHD003	410562, 288866	Washwood Heath Depot, near receptors on Warren Road	M	Yes	No	1.6	0.1	41.5	0	89.5
BETP001	416719, 290767	Bromford East Tunnel Portal, Twisted Oak Stables	L	Yes	No	17.0	0.7	140.5	0	99.6
BETP002	417406, 290605	Bromford East Tunnel Portal, Attleboro Lane	M	Yes	No	5.7	0.1	216.9	2	93.1
CS001	408254, 287210	University Locks, Curzon Street	M	Yes	No	11.4	0.1	125.9	0	99.2
CSS_D_01	407450, 286896	Curzon St – Moor Street Queensway (GL01)	H	Yes	N	22.6	0.8	205.4	1	99.9

CSS_D_02	407676, 287057	Curzon St - East Side City Park (GL7.5/08)	H	Yes	N	18.7	1.0	224.9	1	99.9
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Table 3: Summary of exceedances during period (March 2026)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
CSS_D_01	19/03/2026 16:01 - 17:00; 205.4 µg/m ³	Dust controls in place across site and along haul road. No sources of dust identified during investigation.	N/A
CSS_D_02	21/03/2026 05:01 - 06:00; 224.9 µg/m ³	Outside of working hours, no works on site at the time of trigger.	N/A
BETP002	05/03/2026 08:01 - 09:00; 205.2 µg/m ³ 20/03/2026 03:01 - 04:00; 216.9 µg/m ³	No BBV construction activities occurring near the monitor at the time of the exceedances, so exceedances are not associated with works on site.	N/A

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

