

Air Quality and Dust Monitoring Monthly Report – June 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 June 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:

Subplot 1B

Bromford East Tunnel Portal

- Shaft building repair works
- Aerobox steel and shuttering works
- ARMAC concrete crushing works
- Permanent drainage works
- Cross passage works
- General; strimming and housekeeping works

Sublot 4

Washwood Heath

- Haul road maintenance
- DD1b Depot Platform Construction
- Standard site accommodation use

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, erection 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, ADTs, dozer and roller to compact.
- Stockpile management and crushing/screening activities.

- Tarmac batching plant operations, 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.

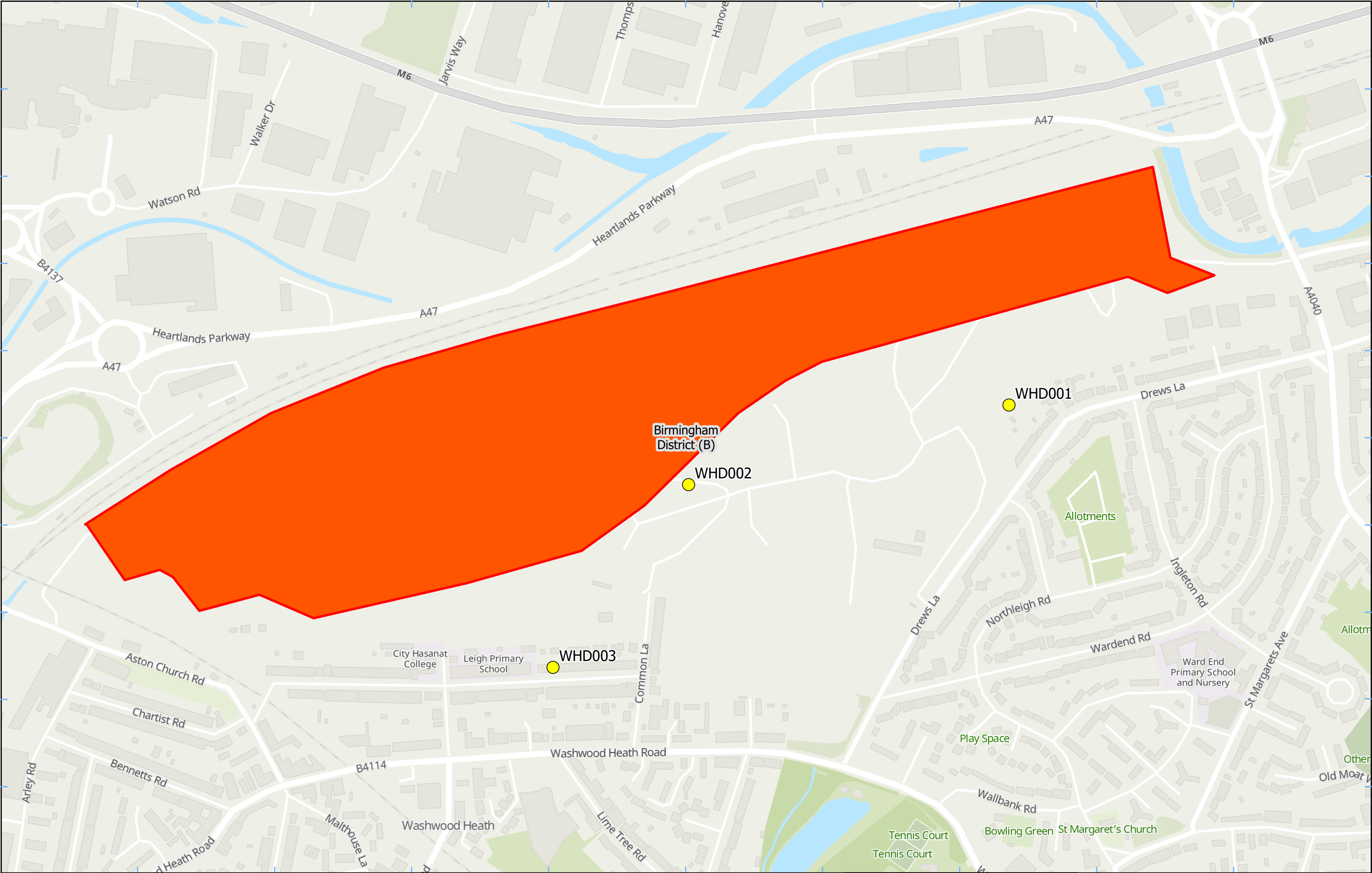
Curzon Street Station – Pre-main works

- 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.

- 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 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.
- 1.1.9 Data capture was below 90% for WHD001 monitor due to equipment issues. The monitor was replaced on 29th June 2026, and the issue was resolved following the site visit
- 1.1.10 There were no (0) complaints received during the reporting period (June 2026).

Appendix A – Worksites and Monitoring Locations

Figures 1 - 3: Worksites and Monitoring Locations within BCC



Legend

 District Borough Unitary Boundaries  Worksite

 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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Metres

Date: 22/01/24



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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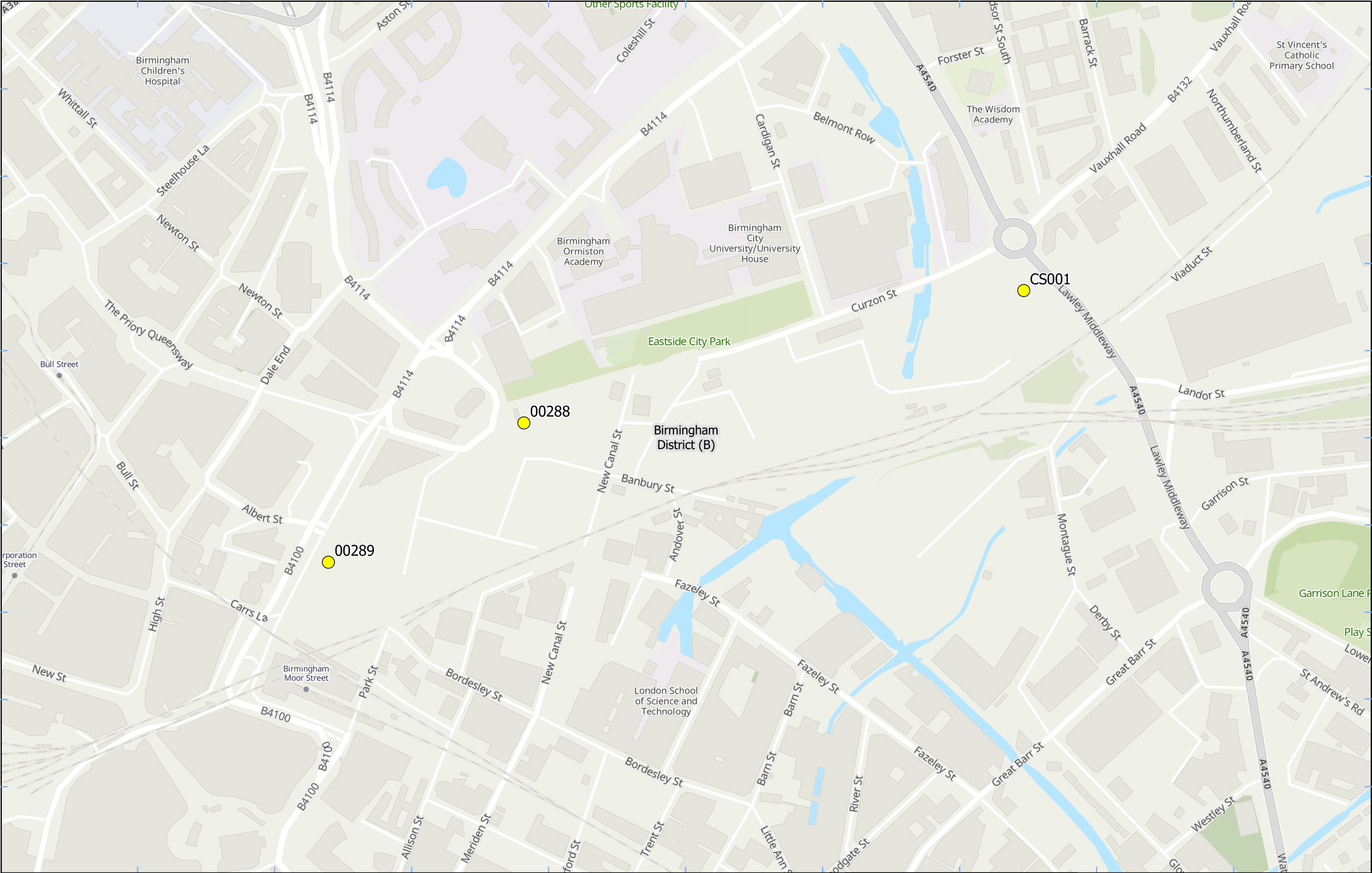
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Metres

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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)**

Birmingham City Council



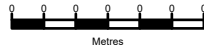
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Appendix B – Dust Monitoring Results

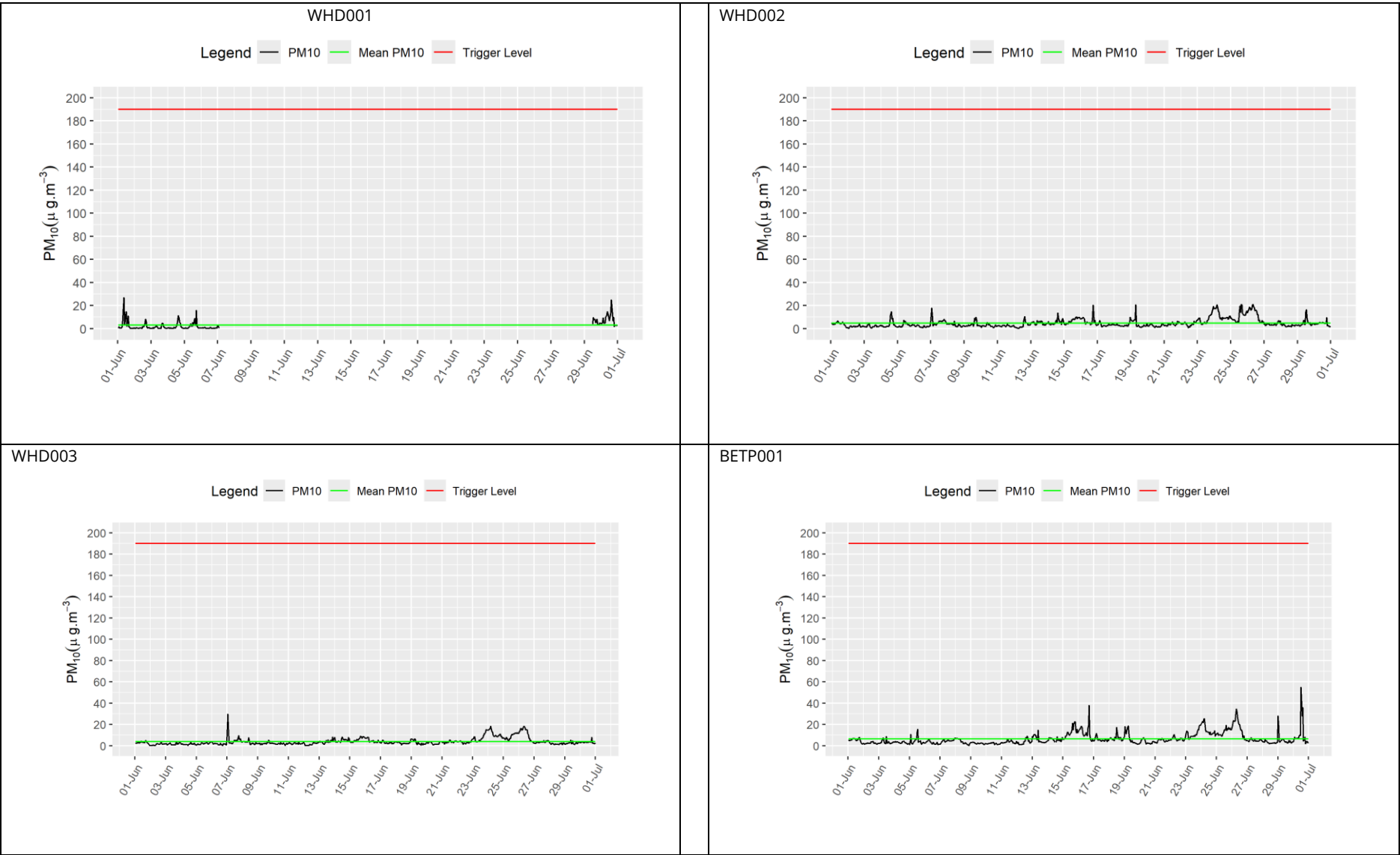
Table 1: Dust Monitoring Locations and Results

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	3.1	0.1	26.8	0	25.1
WHD002	410758, 289130	Washwood Heath Depot, near receptors on Common Lane	M	Yes	No	4.7	0.1	21.0	0	100.0
WHD003	410562, 288866	Washwood Heath Depot, near receptors on Warren Road	M	Yes	No	3.8	0.1	29.7	0	99.3
BETP001	416719, 290767	Bromford East Tunnel Portal, Twisted Oak Stables	L	Yes	No	6.5	0.1	55.0	0	99.9
BETP002	417406, 290605	Bromford East Tunnel Portal, Attleboro Lane	L	Yes	No	4.2	0.2	21.8	0	100.0
CS001	408254, 287210	University Locks, Curzon Street	M	Yes	No	6.4	0.1	32.1	0	99.6
CSS_D_01	407450, 286896	Curzon St – Moor Street Queensway (GL01)	H	Yes	N	16.4	0.1	186.4	0	93.8
CSS_D_02	407676, 287057	Curzon St – East Side City Park (GL7.5/08)	H	Yes	N	23.7	0.1	313.8	6	98.2

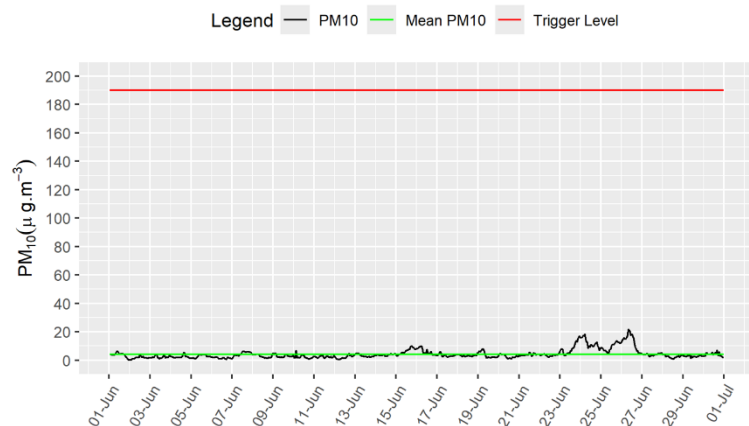
Table 2: Summary of exceedances during period (June 2026)

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
CSS_D_02	05/06/2026: 14.00-15:00; 228 ug/m³ 17.00-18:00; 262.9 ug/m³ 10/06/2026: 12.00-13:00; 202.9 ug/m³ 30/06/2026: 09.00-10:00; 313.8 ug/m³ 10.00-11:00; 297 ug/m³ 11.00-12:00; 204.9 ug/m³	An L4 Near Miss was raised in response to exceedance alerts, with ongoing dust mitigation measures maintained across the site, focusing on stockpile management and vehicle movements.	Following approval from Birmingham City Council, dust suppression activities were extended into the shoulder hour before site operations commenced, with enhanced controls maintained during the prolonged dry weather period.

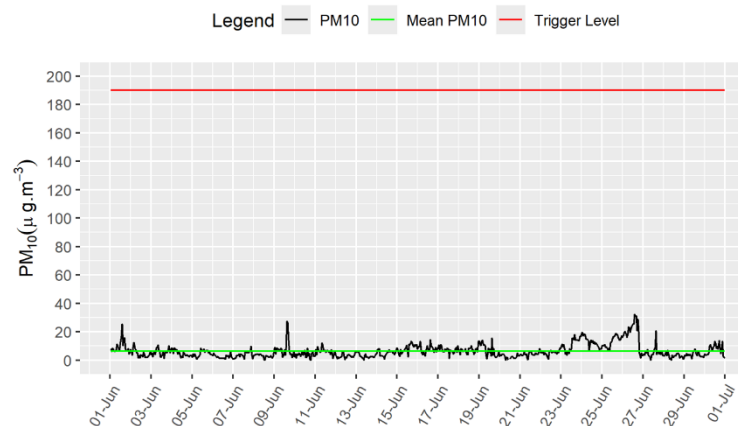
Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



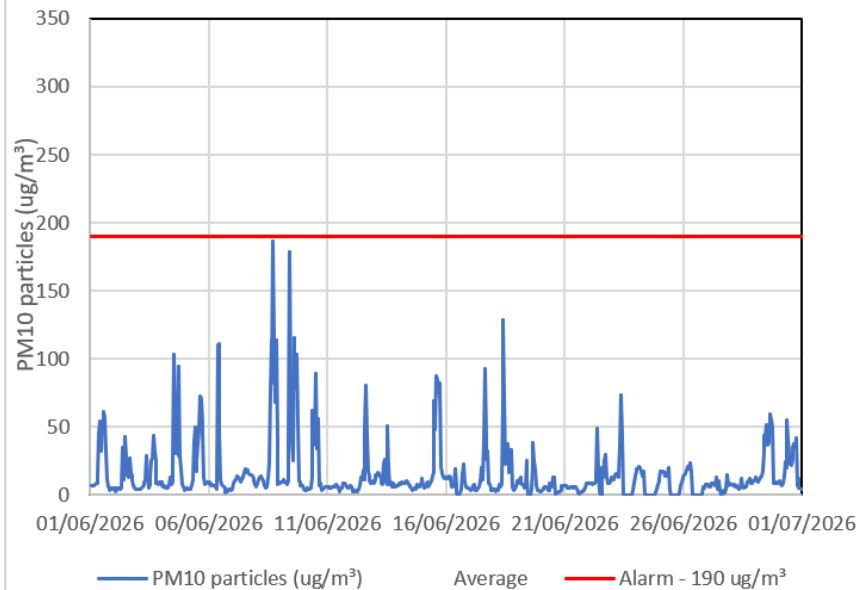
BETP002



CS001



CSS_D_01



CSS_D_02

