HS2

August 2026

Air Quality and Dust Monitoring Monthly Report – August 2026

London Borough of Hillingdon

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Department for Transport

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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 air quality and dust monitoring undertaken in the London Borough of Hillingdon (LBH) during July 2026 and August 2026 respectively.

1.1.2 Figure 1 to Figure 4 in Appendix A present the current worksites together with air quality monitoring locations.

1.1.3 This summary should be read in conjunction with the overview monitoring report 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 4, include:

CVV Dews Lane

- North Moorhall Compound: Operation;
- HOAC Compound: Operation;
- Haul Road Maintenance: Haul road maintenance;
- ATFS: ATFS permanent drainage, soiling and seeding, ATFS access road construction, Slab removal;
- Pumping Water Management: Pumping water management;
- Satellite Welfares;
- South Abutment: Drainage works, South Abutment construction stage 2 – earthworks, yard supporting activities, soiling and seeding works, launching girder platform removal;
- Environmental Maintenance;
- Stockpiling Activity HOAC: Stockpile management;
- Deck Finishes Logistics: Preparation and operation of storage yards and installation of below deck access provision, traffic management on the deck surface, delivery of parapets, noise barriers, troughs, pipes, steel works and other minor material to the storage yards and deck, installation of access at the top of the deck (HAKI stairs) and finishes support plant;
- Deck Finishes – On-deck Construction: Construction of robust kerbs, installation of parapets, construction of concrete stitch, filling of voids and top openings, verge deck waterproofing, trough installation, noise barrier installation, deck waterproofing, SFRC slab construction, north embankment and south embankment noise barriers and foundations, noise barrier and concrete panel installation at north embankment and masking wall installation at north embankment and south embankment;
- Deck Finishes – In-deck Construction: Concrete works within the deck, drainage works within the deck, steel works within the deck, and structural health monitoring;

- Landscaping (pier 57 - Pier 1): Advanced works including removal of cofferdams, initial ground drainage including manhole chamber, hardstanding removal, tree removal & vegetation clearance, earthworks cut & fill, landscaping (subsoil, topsoil, cultivating, seeding, planting) and streetworks – bellmouth road construction;
- Jetty Removal and associated earthworks: Cutting tubular piles, sheet piles and steelworks; and
- General Works.

CVV Moorhall Road

- North Moorhall Compound: Operation;
- HOAC Compound: Operation;
- Haul Road Maintenance: Haul road maintenance;
- ATFS: ATFS permanent drainage, soiling and seeding, ATFS access road construction,
- Slab removal;
- Pumping Water Management: Pumping water management;
- Satellite Welfares;
- South Abutment: Drainage works, South Abutment construction stage 2 – earthworks, yard supporting activities, soiling and seeding works, launching girder platform removal;
- Environmental Maintenance;
- Stockpiling Activity HOAC: Stockpile management;
- Deck Finishes Logistics: Preparation and operation of storage yards and installation of below deck access provision, traffic management on the deck surface, delivery of parapets, noise barriers, troughs, pipes, steel works and other minor material to the storage yards and deck, installation of access at the top of the deck (HAKI stairs) and finishes support plant;
- Deck Finishes – On-deck Construction: Construction of robust kerbs, installation of parapets, construction of concrete stitch, filling of voids and top openings, verge deck waterproofing, trough installation, noise barrier installation, deck waterproofing, SFRC slab construction, North Embankment and south embankment noise barriers and foundations, noise barrier and concrete panel installation at north embankment and masking wall installation at north embankment and south embankment;
- Deck Finishes – In-deck Construction: Concrete works within the deck, drainage works within the deck, steel works within the deck, and structural health monitoring;
- Landscaping (pier 57 - Pier 1): Advanced works including removal of cofferdams, initial ground drainage including manhole chamber, hardstanding removal, tree removal & vegetation clearance, earthworks cut & fill, landscaping (subsoil, topsoil, cultivating, seeding, planting) and streetworks – bellmouth road construction;
- Jetty Removal and associated earthworks: Cutting tubular piles, sheet piles and steelworks; and
- General Works

Other

- Gatemead and West Ruislip Embankment, Breakspear Road South and River Pinn
- Underbridge, concreting, groundworks and materials management.

- Copthall North groundworks and materials management.
- West Ruislip Portal - site demobilisation and headhouse construction.
- South Ruislip vent shaft and headhouse construction, ground works, concrete works and materials management.
- Northern Sustainable Placement Area (NSPA) landscaping, seeding and planting.
- Southern Sustainable Placement Area (SSPA) seeding, planting and demobilisation.

1.1.5 Ten (10) 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 1, together with line charts of monthly data from each dust monitor in Figure 5. 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 190µg/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 No (0) dust trigger alerts were recorded during the monitoring period (August 2026).

1.1.9 Diffusion tube monitoring of Nitrogen Dioxide (NO_2) is undertaken at eleven (11) locations around highways within the LBH as part of the management of air quality where significant effects may occur as a result of the scheme.

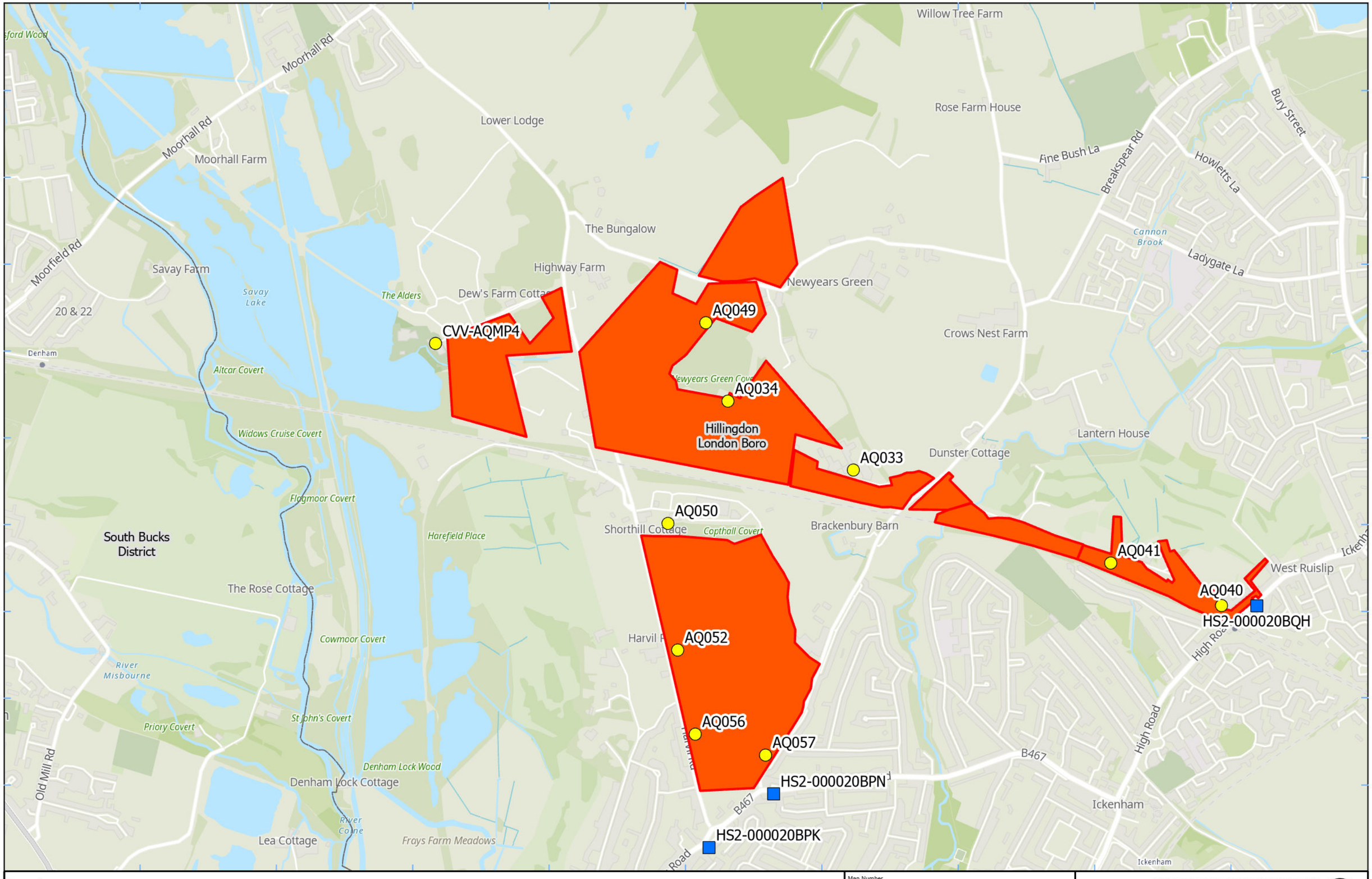
1.1.10 Diffusion tube monitoring results are as provided from the laboratory analysis, and therefore still require various analysis and adjustments to be undertaken. Final corrected results will be presented and described in the annual report. However, based on results to date, no unexpected values were recorded during the monitoring period.

1.1.11 NO_2 monitoring locations and results are presented in Appendix C, Table 2, together with the 2026 running mean.

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

Appendix A – Worksites and Monitoring Locations

Figure 1 to Figure 4: Current monitoring locations within the LBH



Legend

- Diffusion Tube
- Worksite
- Dust Monitor
- District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations
In LBH (Sheet 1)

London Borough of Hillingdon

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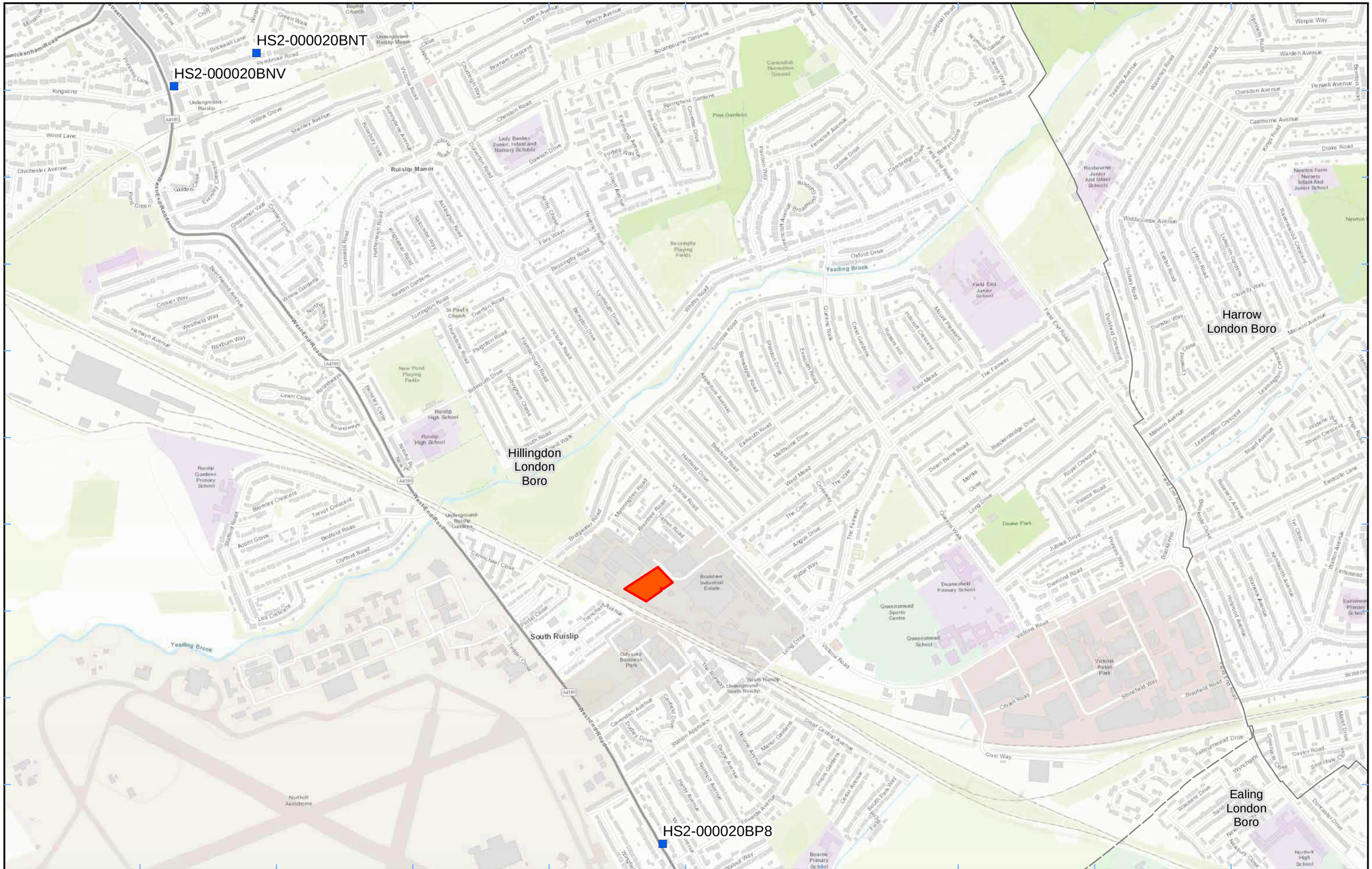
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Scale at A3: 1:12,000

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Metres

Doc Number:

Date: 16/06/26



Legend

- Diffusion Tube
- District Borough Unitary Boundaries
- Worksite

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Map Number

Map Name

Worksite and Monitoring Locations In LBH (Sheet 2)

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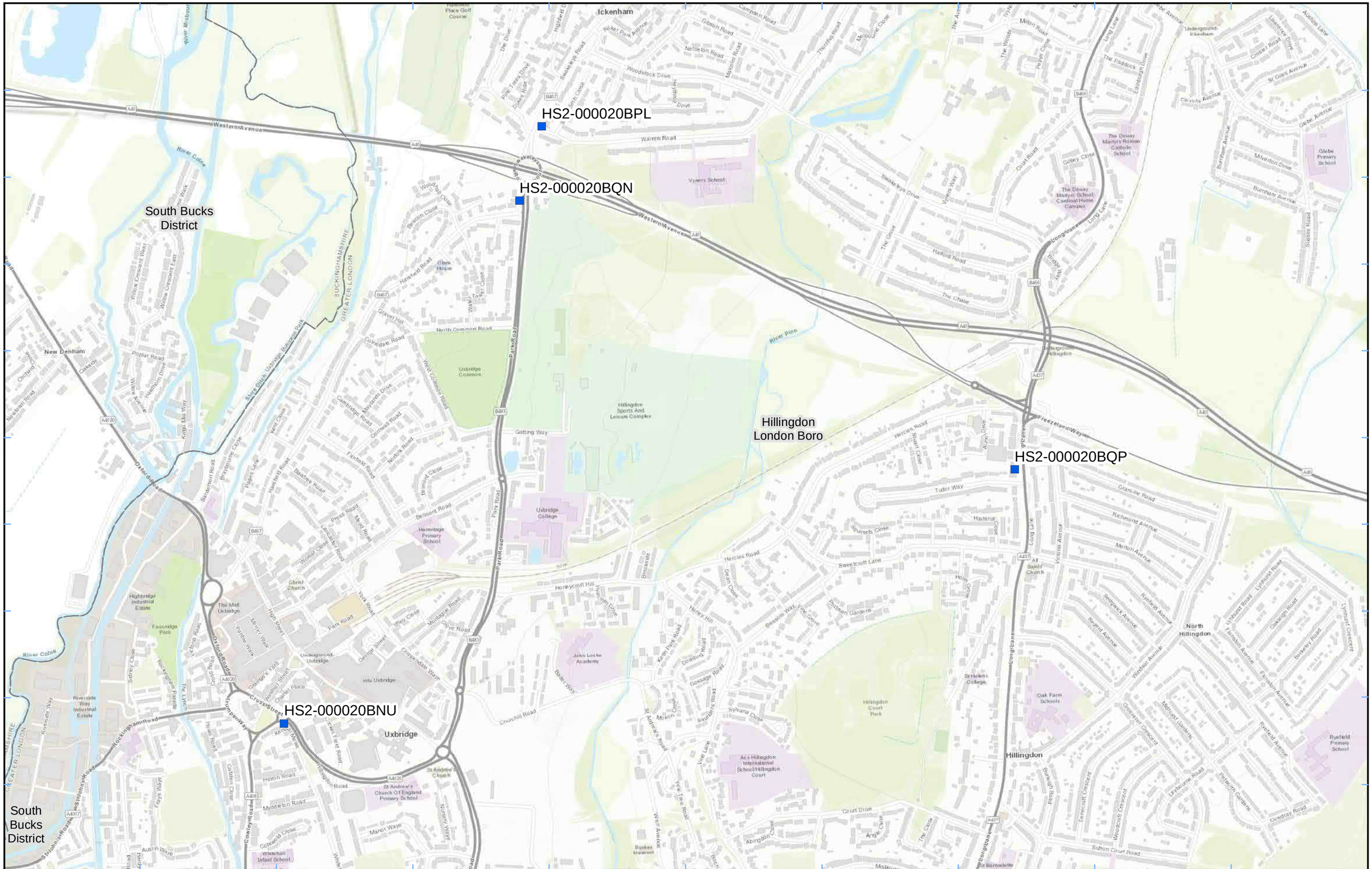
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Doc Number:

Date: 08/12/20



Legend

- Diffusion Tube
- District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations In LBH (Sheet 3)

London Borough of Hillingdon

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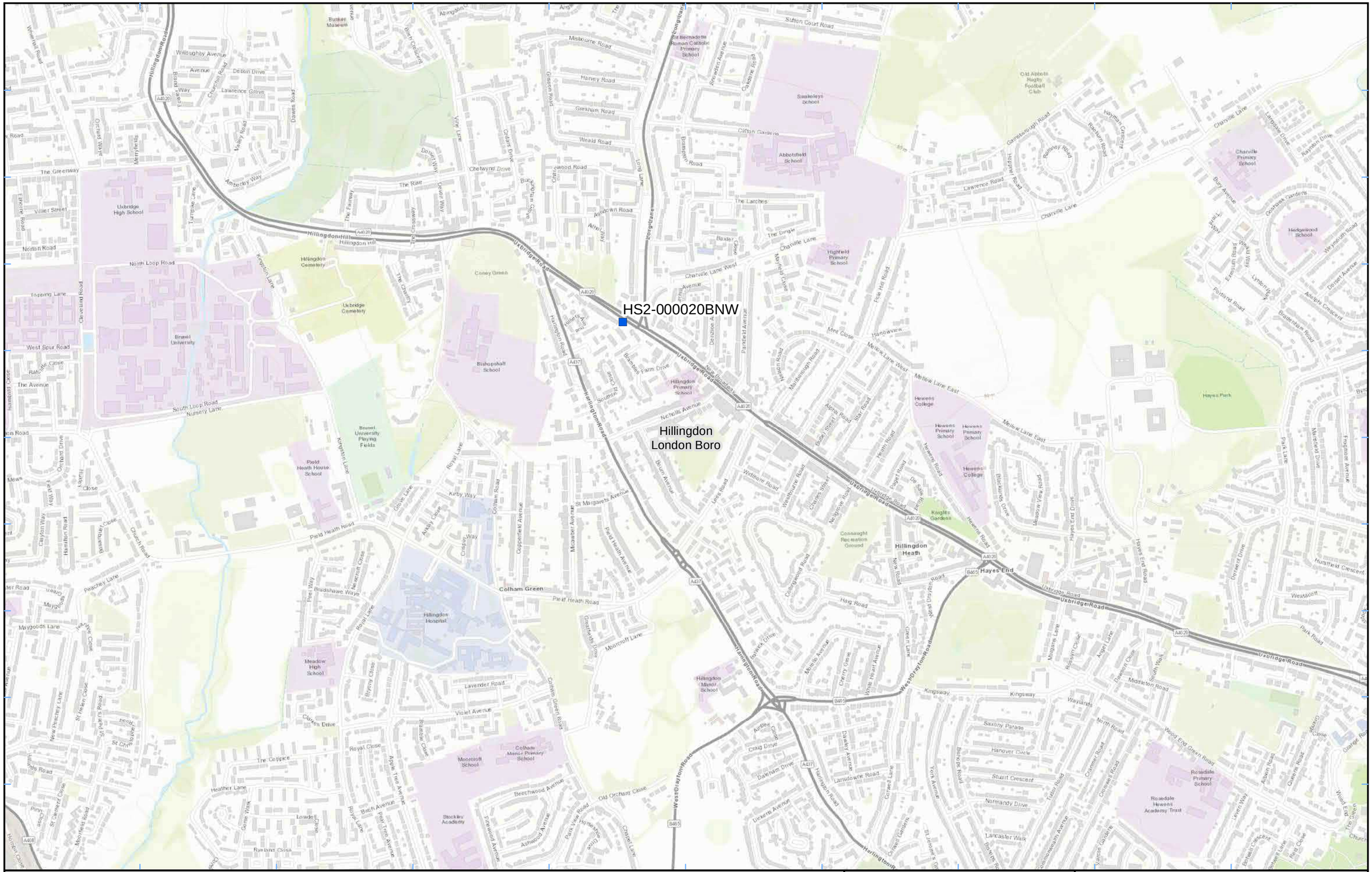
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Date: 08/12/20



Legend

- Diffusion Tube
- District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations In LBH (Sheet 4)

London Borough of Hillingdon

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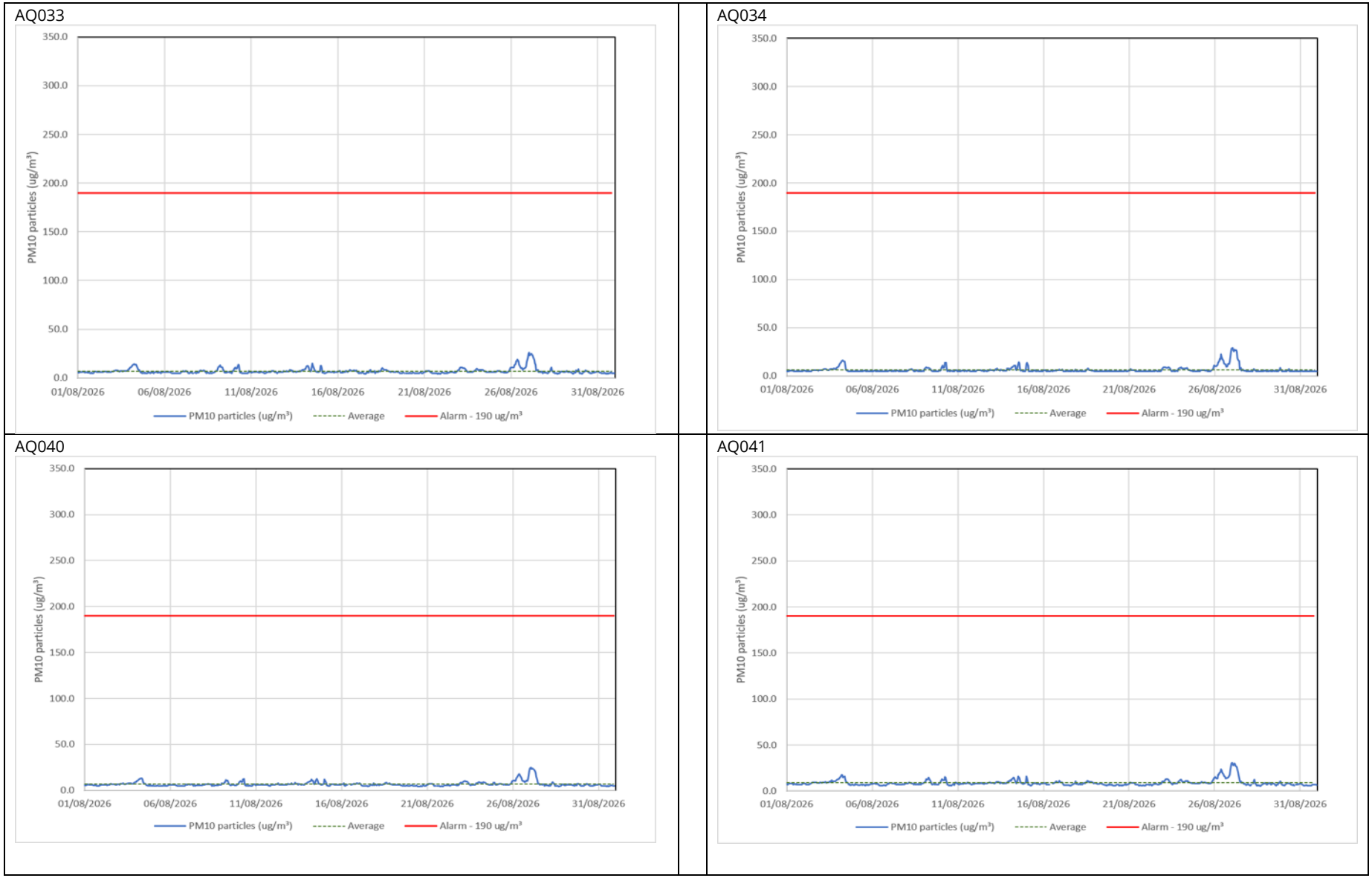
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Appendix B – Dust Monitoring Results

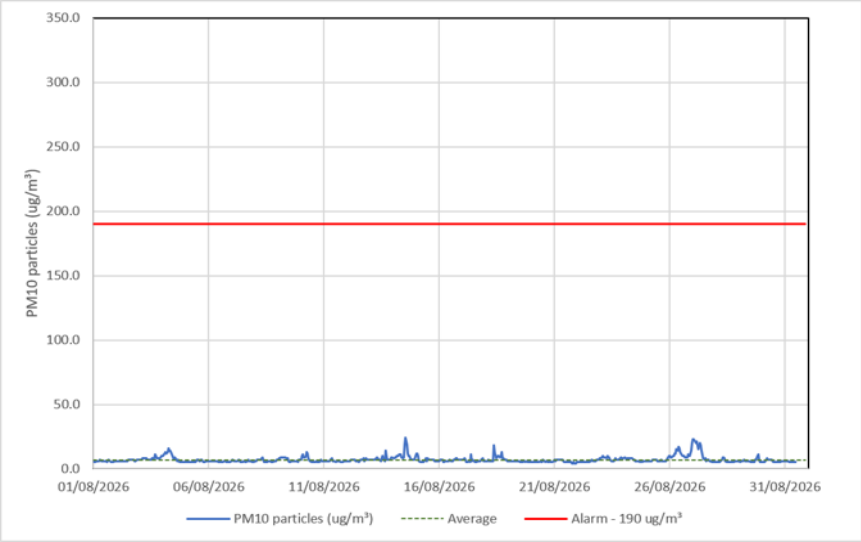
Table 1: Dust Monitoring Locations and Results

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 PM_{10} concentration ($\mu g/m^3$)	Minimum 1-hour PM_{10} concentration ($\mu g/m^3$)	Maximum 1-hour PM_{10} concentration ($\mu g/m^3$)	Number of 1-hour periods exceeding trigger level of 190 $\mu g/m^3$	Data capture (%)
AQ033	507045, 187352	Breakspear Road South	M	Yes	N	6.9	4.0	25.8	0	99.7
AQ034	506608, 187592	Copthall Cutting	L	Yes	N	6.3	5.0	28.8	0	99.6
AQ040	508328, 186880	West Ruislip Golf Course	M	Yes	N	6.8	4.0	24.9	0	98.9
AQ041	507942, 187028	West Ruislip Portal	M	Yes	N	8.8	5.5	30.8	0	99.2
AQ049	506531, 187865	Copthall North, Ancient Woodland	M	Yes	N	7.0	4.0	24.0	0	98.4
AQ050	506399, 187166	Copthall South Compound	M	Yes	N	7.6	5.0	24.0	0	99.6
AQ052	506433, 186725	Southern Sustainable Placement Area	M	Yes	N	6.8	4.1	24.9	0	99.2
AQ056	506494, 186432	Southern Sustainable Placement Area	M	Yes	N	4.5	4.0	13.6	0	99.6
AQ057	506739, 186359	Southern Sustainable Placement Area	M	Yes	N	7.4	4.0	30.3	0	99.7
CVV-AQMP4	505589, 187793	On the western boundary of HOAC at Dews Lane	M	Yes	Yes	6.8	5.2	37.4	0	100.0

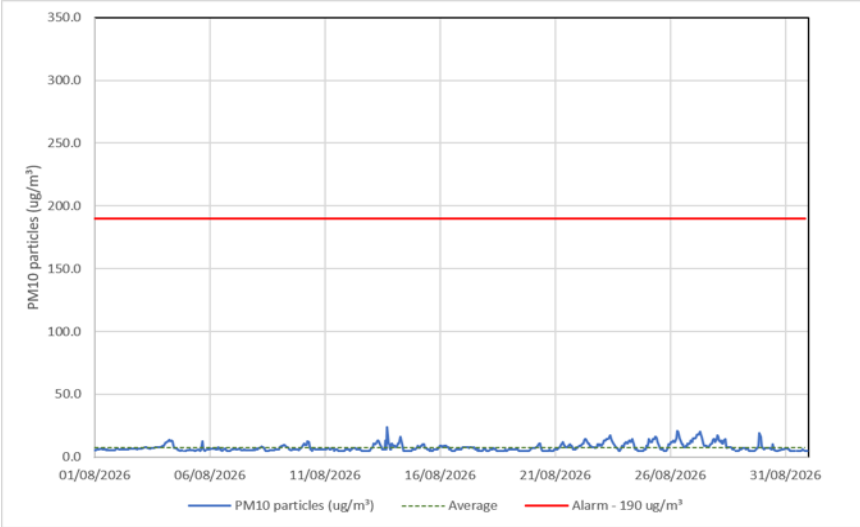
Figure 5: Construction dust 1-hour mean indicative PM_{10} concentration for all dust monitors



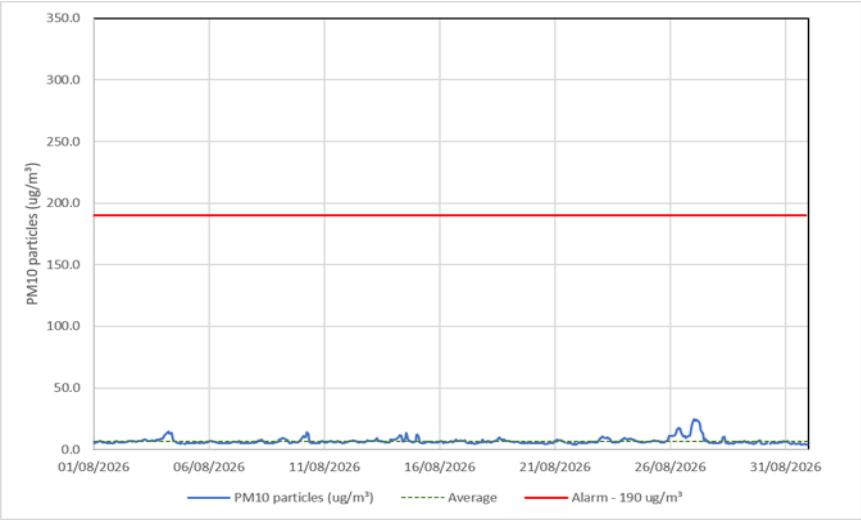
AQ049



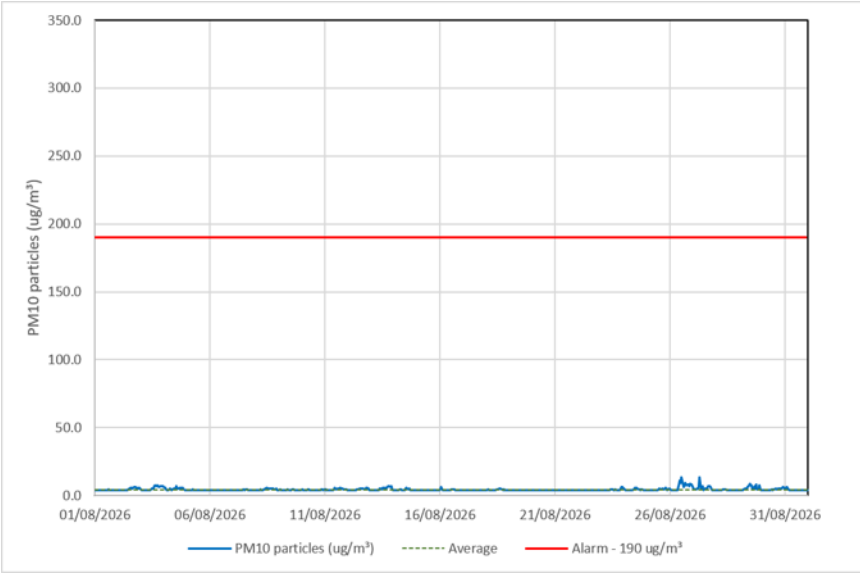
AQ050



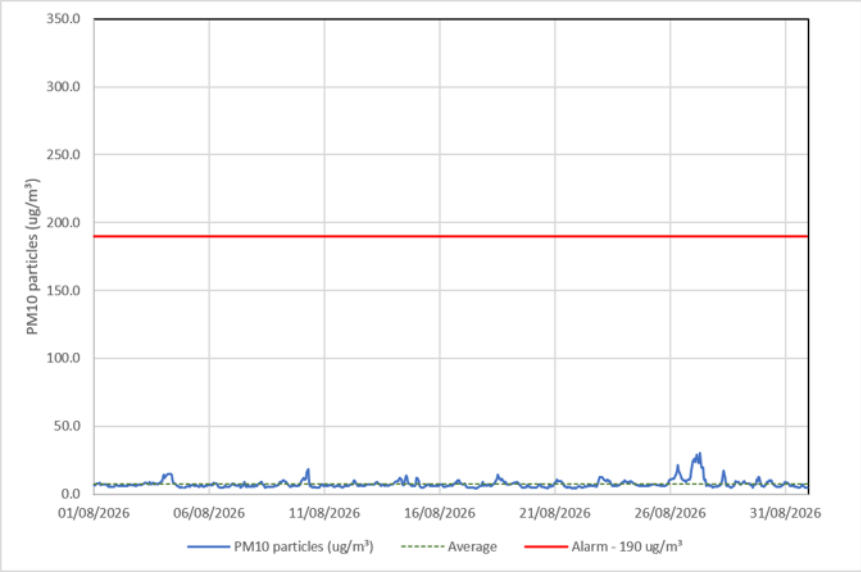
AQ052



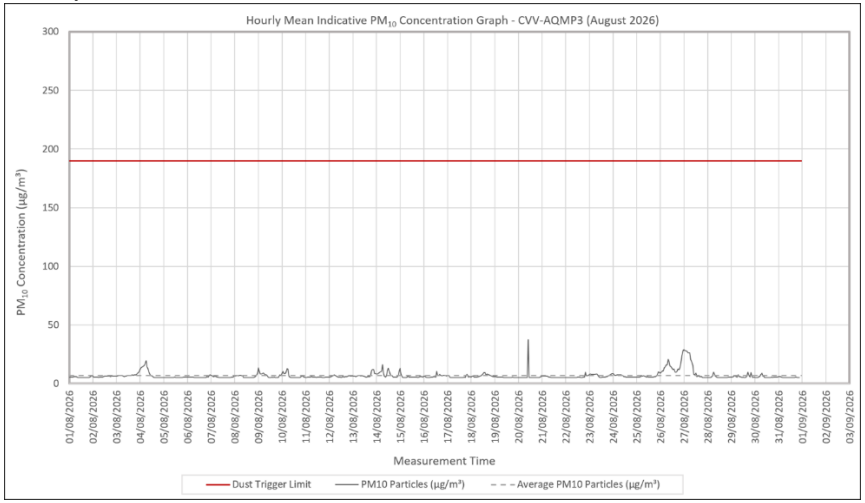
AQ056



AQ057



CVV-AQMP3



Appendix C – Air Quality Monitoring Results

Table 2: NO_2 monitoring locations around highways, NO_2 concentrations and monthly monitoring results with running mean for 2026 (µg/m^3)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean[1][2]
HS2-000020BNT	Lamp post on Pembroke Road	509678, 187214	30	26	13	15	14	13	10						17
HS2-000020BNU	Cowley Road sign post at junction with Hillingdon Road	505492, 183926	21	37	32	27	34	29	25						29
HS2-000020BNV	High Street sign post at junction with Pembroke Road	509439, 187117	38	35	20	25	27	21	23						27
HS2-000020BNW	Signpost on A4020 Uxbridge Road at junction with Long Lane	507365, 182687	48	34	30	28	Result Removed	25	27						32
HS2-000020BPK	Lamp post in crescent off Swakeleys Road	506542, 186037	29	25	26	19	20	19	21						22
HS2-000020BPL	Warren Road sign post on corner of Swakeleys Road and Warren Road	506240, 185660	32	31	30	23	29	26	18						27

[1] *Note: to aid interpretation and conform with best practice, the monthly measurements in this table are reported rounded to the nearest whole number. The annual mean presented here is calculated based on laboratory data to 4 significant figures, rounded to a whole number, and therefore may differ slightly to a mean derived from averaging the rounded monthly measurements in the table.*

[2] *The annual mean for diffusion tubes presented in the table above still require various analysis and adjustments to be undertaken before comparison to the Air Quality Objectives. The final corrected annual mean will be presented in the HS2 Annual Air Quality Report.*

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean[12]
HS2-000020BPN	Lamp post on B467	506767, 186224	36	29	29	23	Result Removed	23	24						27
HS2-000020BQH	Lamp post on High Road Ickenham	508451, 186879	28	22	31	25	30	27	31						28
HS2-000020BQN	Lamp post on Park Road	506176, 185444	46	38	28	29	31	25	26						32
HS2-000020BQP	Sign post on Long Lane	507614, 184663	35	26	31	28	29	26	23						28
HS2-000020BP8	Triplicate site at South Ruislip roadside automatic monitoring station	510858, 184916	31	29	19	22	22	19	17						23