

Air Quality and Dust Monitoring Monthly Report – May 2026

London Borough of Hammersmith and Fulham



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 air quality and dust monitoring undertaken in the London Borough of Hammersmith and Fulham (LBHF) during April 2026 and May 2026 respectively.
- 1.1.2 Figure 1 and Figure 2 in Appendix A present the current worksites together with air quality and dust 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 and Figure 2, include:

Old Oak Common Depot

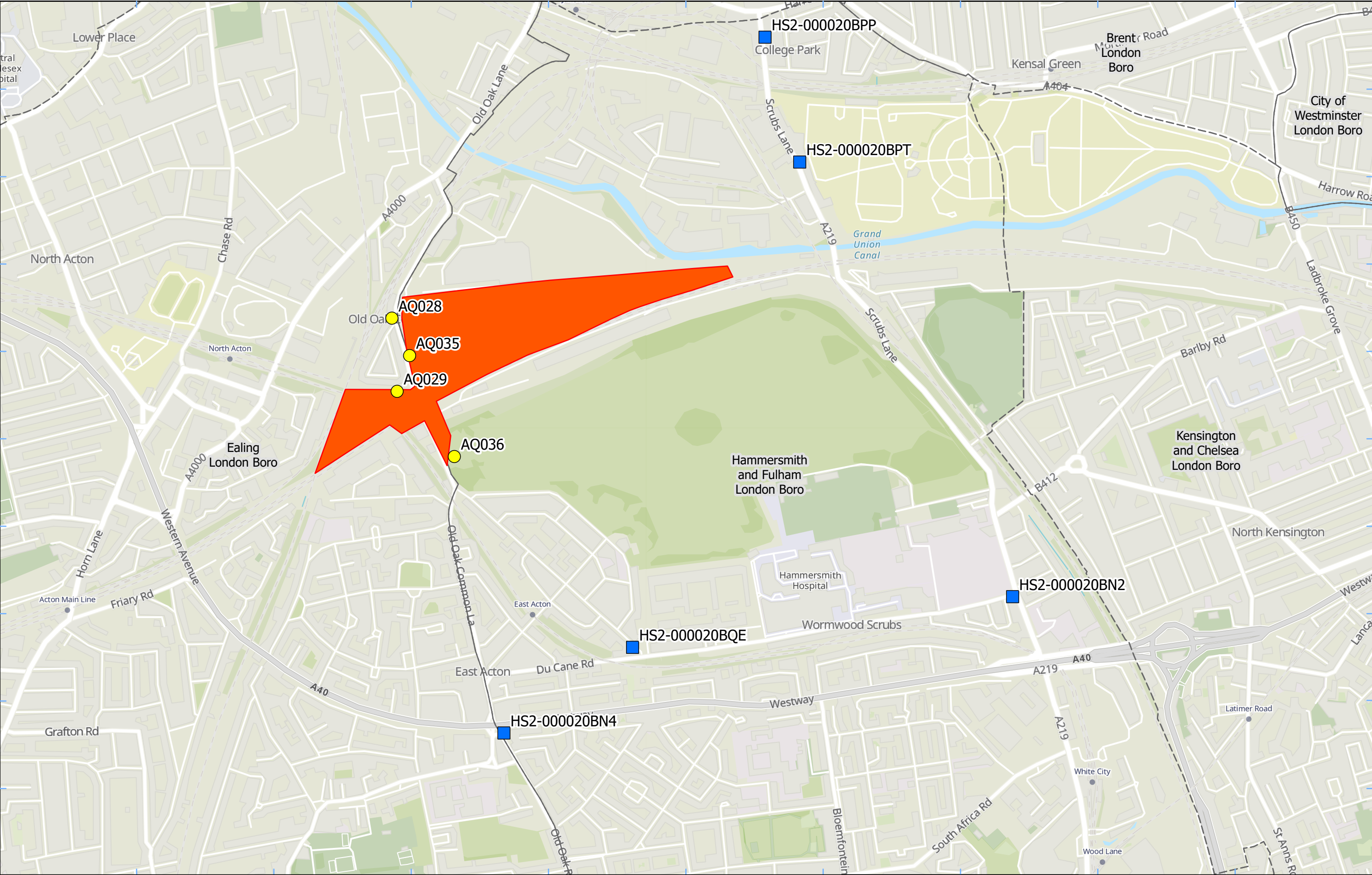
- General Site: General site activities including movement of plant and survey works, steel fixing and general carpentry works, concrete works including scabbling and local concrete breaking, blockwork, backfilling, road sweeping, utility works, demolition of the abutment wall, ramp construction, MEPH works and attenuation tank works were underway.
- Station Box: Steel fixing, general carpentry, concrete works, scabbling.
- GWML and SAB: Blockwork in the SAB and west core, demobilisation from SAB, muck away and backfill operations, steel fixing, general carpentry.
- Site Haul Roads and Public Roads Adjacent to Site: Clean the site haul roads with a road sweeper, clean the public roads on Old Oak Common Lane and Wells House Road with a road sweeper, clean the public pavements on Wells House Road and Old Oak Common Lane, clean the areas around OOH and the Welfare Compound with a ride-on scrubber dryer, clean vehicle wheels with a wheel wash and two jet wash units, dust suppression on the site haul roads with a water bowser.
- OOCL: Digging and backfilling, excavations, excavating and laying pipe, pipe welding and wrapping, ground anchor works, SSEN duct excavations and service transfer, muck away and loading lorries, breaking concrete using a hydraulic breaker and a 35T digger, ramp formation.
- MEPH: Installing Unistrut uprights (Platforms 11 and 12) and Unistrut wall levelling (Platform 14), installation of modules on Platform 10, prefabricated modules and cutting clips, moving VCBs, cutting and grooving pipe, CMS cutting, joining and snagging.
- Blockwork: building blockwork (SAB and west core), ongoing block wall construction, blockwork in SAB rooms.

- Attenuation Tank: Material moving, loading and unloading in AD05, and AD03/09, piling and plant movement.

- 1.1.5 Four (4) dust monitors are installed around these worksites, where works are underway. These sites returned a medium 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 3. 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 Diffusion tube monitoring of Nitrogen Dioxide (NO₂) is undertaken at seven (7) locations around highways within the LBHF 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 the results to date, no unexpected values were recorded during the monitoring period.
- 1.1.11 NO₂ monitoring locations and results are presented in Appendix C, Table 3, together with the 2026 running mean.
- 1.1.12 Data capture was below 90% for AQ035 due to a technical issue with the monitor between 23rd May and 27th May. This has since been resolved.
- 1.1.13 There were no (0) complaints received during the reporting period (May 2026).

Appendix A – Worksites and Monitoring Locations

Figure 1 and 2: Worksites and monitoring locations within the LBHF



Legend

Dust Monitor Worksite

Diffusion Tube District Borough Unitary Boundaries

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Map Number
Map Name
Worksite and Monitoring Locations In LBHF (Sheet 1)
London Borough of Hammersmith and Fulham

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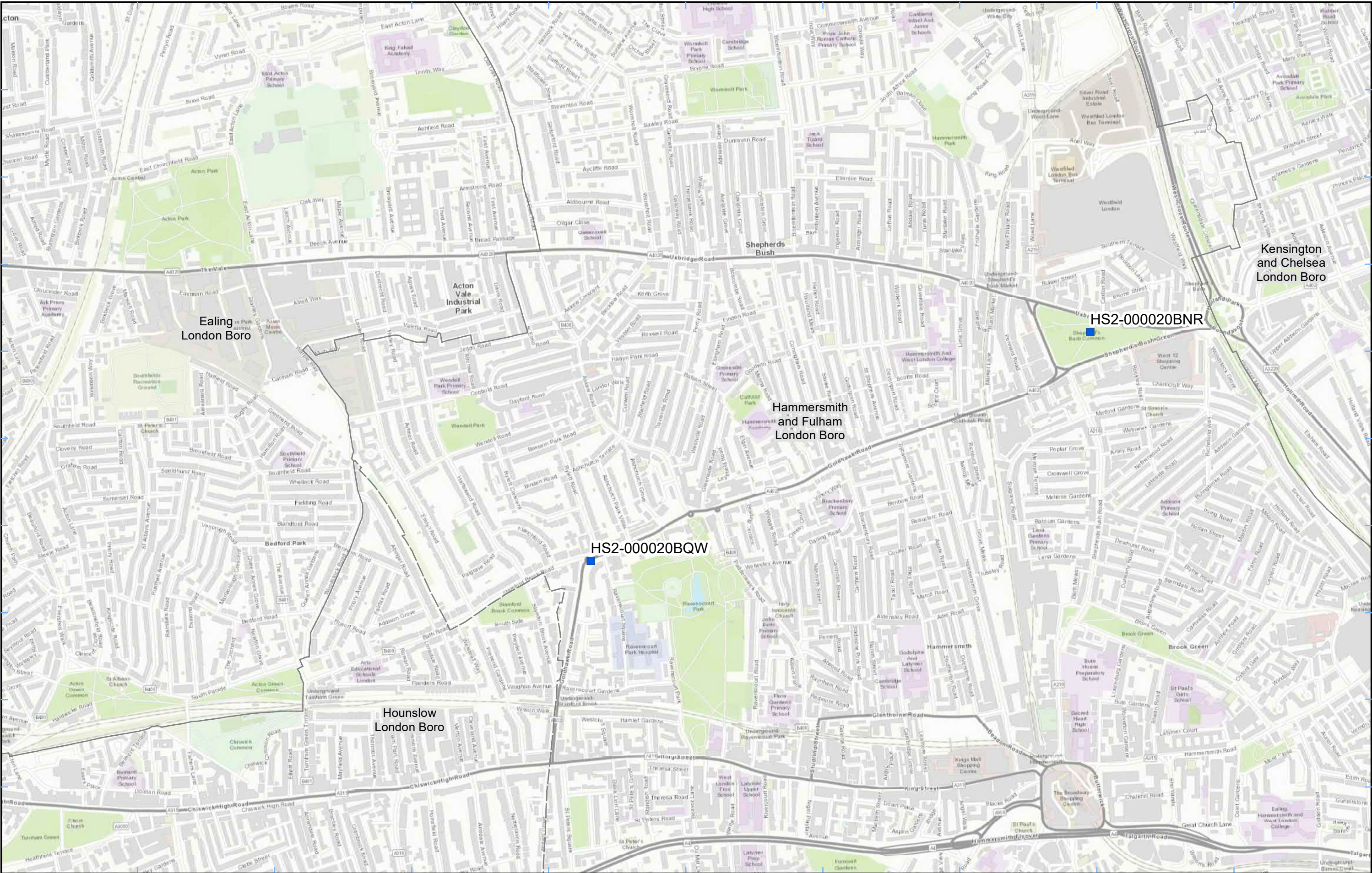
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Legend

-  Diffusion Tube
-  District Borough Unitary Boundaries

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Map Number

Map Name

**Monitoring Locations In LBHF
(Sheet 2)**

**London Borough of Hammersmith
and Fulham**



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Date: 08/12/20

Appendix B – Dust Monitoring Results

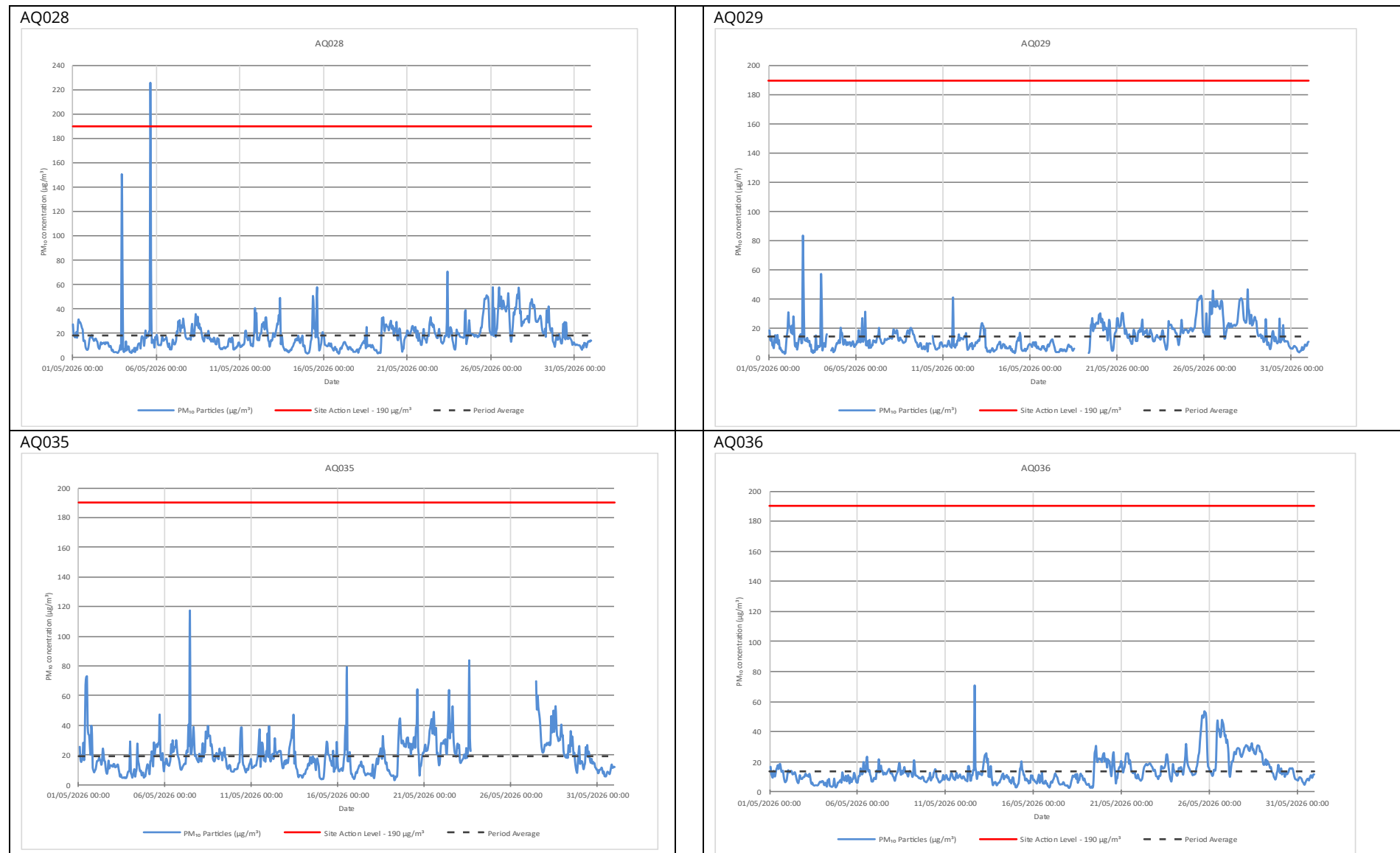
Table 1: Dust Monitoring Locations and Results

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 (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1-hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
AQ028	521302, 182067	Wells House Road	M	Yes	No	18.3	2.9	226.2	1	100.0
AQ029	521453, 182132	Old Oak Common	H	Yes	No	14.1	2.4	83.0	0	96.5
AQ035	521353, 181959	Old Oak Common	H	Yes	No	19.4	2.9	117.3	0	87.9
AQ036	521482, 181668	UTX South – Triangle Site	M	Yes	No	13.7	2.6	71.0	0	100

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

Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
AQ028	05/05/2026 15:01 – 16:00; 226.2 µg/m ³	An investigation determined that various site activities were being undertaken in close proximity to the dust monitor. These site activities involved the breaking out of concrete to install back-to-back service connections on the distribution main.	The acoustic tent was in place and dust suppression measures were implemented during the works. A hand breaker was being used, and the elevated concentrations may have been influenced by the compressor operating or idling near the monitor. All operatives were re-briefed of dust suppression procedures. The team was instructed to increase dust suppression efforts and to take additional care when the plant is in near proximity to the monitoring equipment. The site team continued to closely monitor measured PM10 levels, though no further exceedances were observed during the day. No complaints were received.

Figure 3: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



Appendix C – Air Quality Monitoring Results

Table 3: NO₂ monitoring locations around highways NO₂ concentrations and monthly monitoring results with running mean for 2026 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BN2	Lamp post on Du Cane Road	523092, 181264	Tube Missing	35	35	Tube Missing									35
HS2-000020BN4	End of cycle lane sign on Old Oak Road	521625, 180871	36	32	37	33									34
HS2-000020BNR	Lamp posts in Shepherd's Bush Common	523481, 179871	36	28	26	27									29
HS2-000020BPP	Sign post on A219 Scrubs Lane, South of Harrow Road	522378, 182877	40	32	31	26									32
HS2-000020BPT	Controlled Zone/Zone Ends road sign on A219 Scrubs Lane, north of Hythe Road	522478, 182517	40	27	32	27									32
HS2-000020BQE	Lamp post next to No 11 Wulfstan Street	521996, 181118	29	25	23	19									24
HS2-000020BQW	Lamp post on A402 Goldhawk Road	522037, 179209	30	27	28	23									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.