HS2

July 2026

Air Quality and Dust Monitoring Monthly Report – July 2026

London Borough of Hammersmith and Fulham

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Department for Transport

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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 June 2026 and July 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-wide housekeeping and general site tidying, plant and traffic set-up and movement, relocating and reinstating site fences and traffic management for site-wide access.
- Station Box: Steel fixing, formwork assembly (including striking formwork) and compaction, scaffolding, and mastic installation.
- GWML and SAB: Blockwork in the SAB and central core (GL 30), demobilisation from SAB, muck away and backfill operations, steel fixing, general carpentry and drainage works.
- Site Haul Roads and Public Roads Adjacent to Site: Cleaning the public roads on Old Oak Common Lane and Wells House Road with a road sweeper, cleaning the public pavements on Wells House Road and Old Oak Common Lane, cleaning the areas around OOH and the Welfare Compound with a ride-on scrubber dryer, cleaning vehicle wheels with a wheel wash and two jet wash units, dust suppression on the site haul roads and footpaths with a water bowser.
- OOCL: Digging for SSEN ducts and exposing comms ducts, laying ducts and backfilling SSEN, tidying up site including backfilling comms, gas and water, excavation works including hand dig, remedial works around hoarding, brush and mandrel SSEN ducts, plant and traffic movement.
- MEPH: Installation of modules on Platform 9, moving up modules, tools and cutting pipework within the mechanical workshop.
- Blockwork: Blockwork in central core (GL 30) and blockwork removal.

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 PM_{10} concentrations of 190 µg/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 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.

1.1.9 One (1) dust trigger alert was recorded during the monitoring period (July 2026).

1.1.10 Diffusion tube monitoring of Nitrogen Dioxide (NO_2) 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.

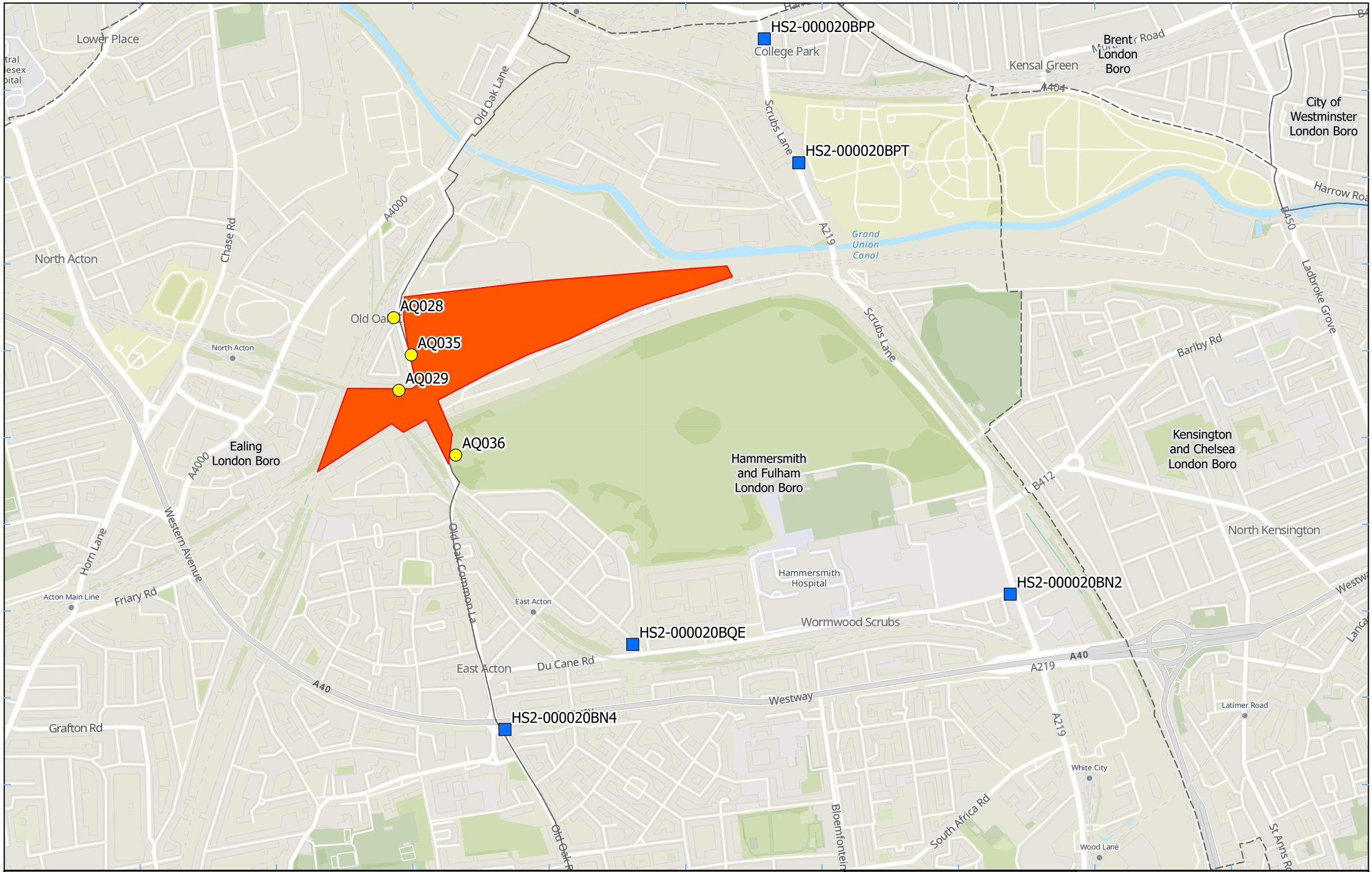
1.1.11 Diffusion tube monitoring results are as provided from the laboratory analysis, and therefore still require various analysis and adjustments to be undertaken. Final corrected results will be presented and described in the annual report. However, based on the results to date, no unexpected values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

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

1.1.13 There were no (0) complaints received during the reporting period (July 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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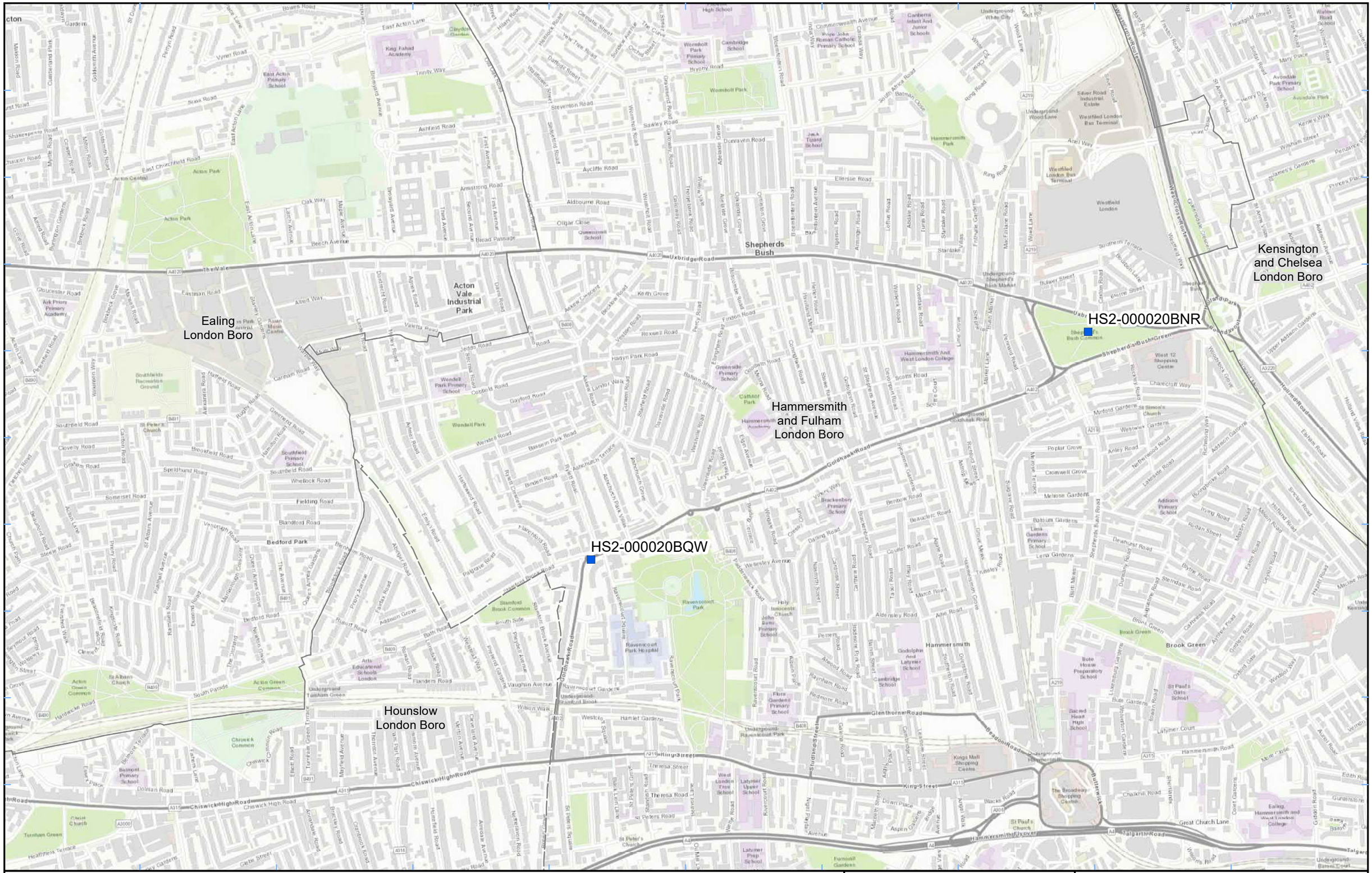

Legend

- Diffusion Tube
- District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations In LBHF (Sheet 2)

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Appendix B – Dust Monitoring Results

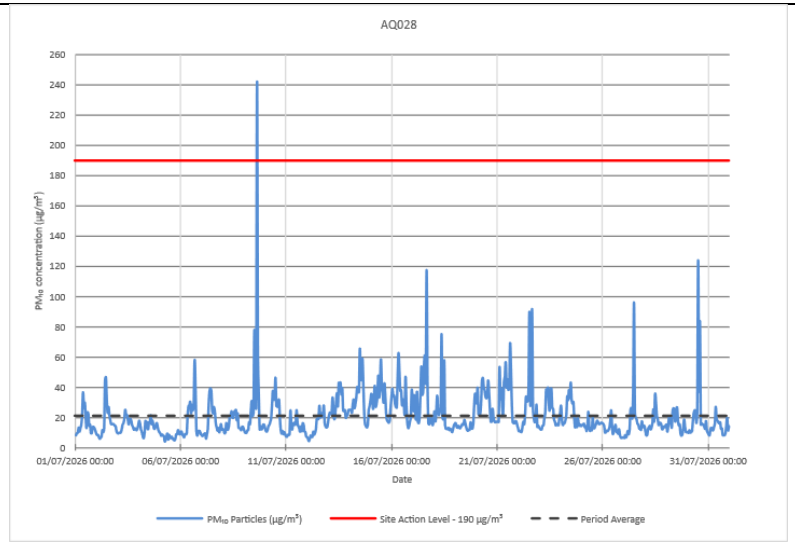
Table 1: Dust Monitoring Locations and Results

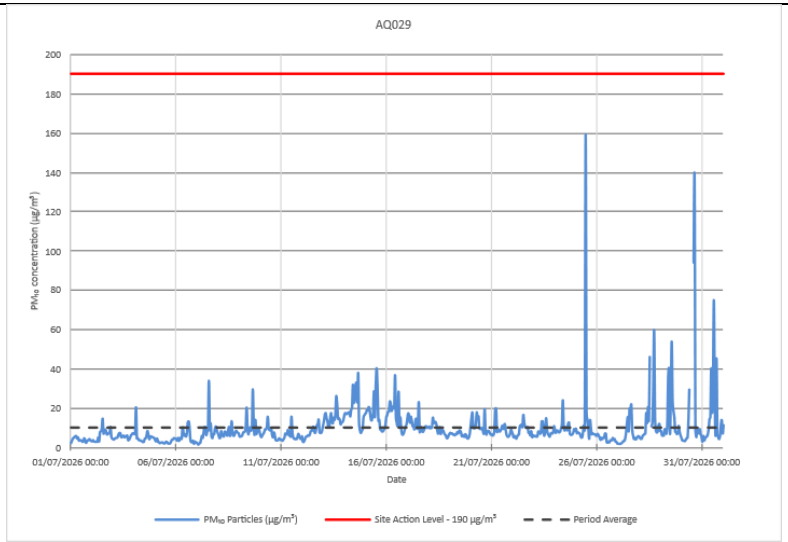
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM_{10} concentration (µg/m³)	Minimum 1-hour PM_{10} concentration (µg/m³)	Maximum 1-hour PM_{10} concentration (µg/m³)	Number of 1-hour periods exceeding trigger level of 190 µg/m³	Data capture (%)
AQ028	521302, 182067	Wells House Road	M	Yes	No	20.8	4.2	241.6	1	100.0
AQ029	521453, 182132	Old Oak Common	H	Yes	No	10.2	1.9	159.3	0	99.3
AQ035	521353, 181959	Old Oak Common	H	Yes	No	14.9	2.8	87.8	0	97.3
AQ036	521482, 181668	UTX South – Triangle Site	M	Yes	No	14.6	4.5	75.4	0	99.5

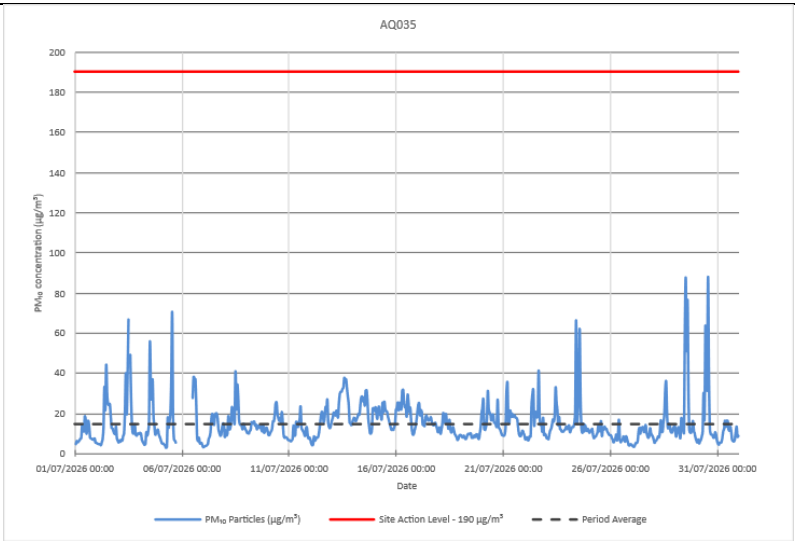
Table 2: Summary of exceedances during period (July 2026)

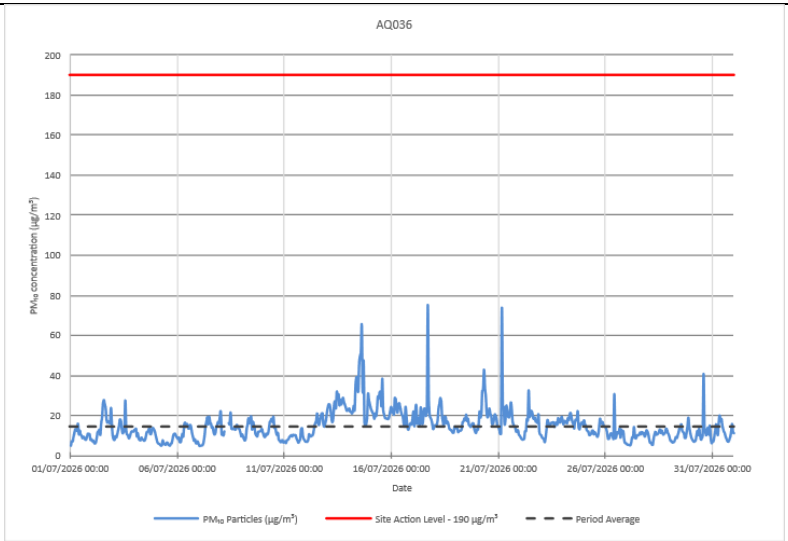
Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
AQ028	09/07/2026 15:01 – 16:00; 241.6 µg/m³	An investigation determined that various site activities were being undertaken in close proximity to the dust monitor. These site activities were related to the reinstatement of the garden at Kildun Court, where bags of landscaping topsoil were lifted and cut open from the bottom of the bag. This resulted in a plume of dust leading to the exceedance alert.	All operatives were re-briefed of dust suppression procedures. The team was instructed to increase dust suppression efforts and to take additional care when working near sensitive receptors. The site team continued to closely monitor measured PM10 levels, though no further exceedances were observed during the day. No complaints related to this exceedance were received.

Figure 3: Construction dust 1-hour mean indicative PM_{10} concentration for all dust monitors









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]
HS2-000020BN2	Lamp post on Du Cane Road	523092, 181264	Tube Missing	35	35	Tube Missing	30	25							31
HS2-000020BN4	End of cycle lane sign on Old Oak Road	521625, 180871	36	32	37	33	30	24							32
HS2-000020BNR	Lamp posts in Shepherd's Bush Common	523481, 179871	36	28	26	27	22	26							28
HS2-000020BPP	Sign post on A219 Scrubs Lane, South of Harrow Road	522378, 182877	40	32	31	26	28	25							30
HS2-000020BPT	Controlled Zone/Zone Ends road sign on A219 Scrubs Lane, north of Hythe Road	522478, 182517	40	27	32	27	19	23							28
HS2-000020BQE	Lamp post next to No 11 Wulfstan Street	521996, 181118	29	25	23	19	18	16							21
HS2-000020BQW	Lamp post on A402 Goldhawk Road	522037, 179209	30	27	28	23	18	18							24

[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.*