HS2

March 2026

Air Quality and Dust Monitoring Monthly Report – March 2026

London Borough of Hammersmith and Fulham

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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 February and March 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: materials management and haulage.
- Station Box: general formwork, pouring concrete, breaking concrete, steel fixing.
- GWML and SAB: steel fixing, general carpentry, backfilling, excavation and concrete pouring.
- Site haul roads and public roads adjacent to site: cleaning with road sweeper, road preparation.
- OOCL: digging, backfilling, pipe welding, pipe installation, ground anchor works, level surfacing, continued excavation GWML tank.
- MEPH: installation of CMS, hoovering water, cutting pipe and Unistrut and installation of wall levelling survey.
- Blockwork: water pumping, hoovering, cleaning silo compound, general blockwork below ground in the box.
- Backfilling of urban realm with Leca and aggregates.
- Attenuation Tank: piling and store set ups, striking shutters and excavation.

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 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.

1.1.10 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.

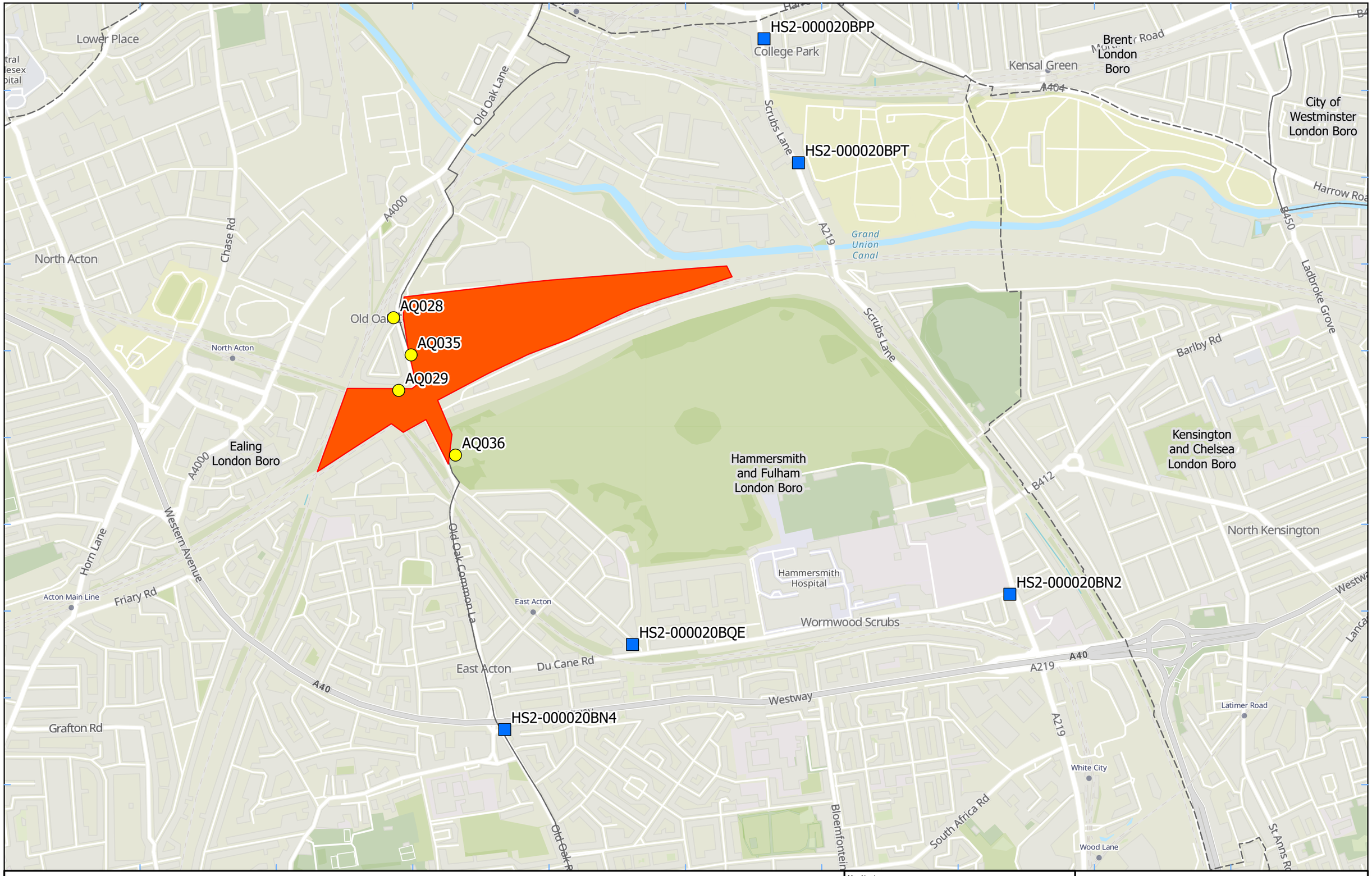
1.1.11 NO_2 monitoring locations and results are presented in Appendix C, Table 3, together with the 2026 running mean.

1.1.12 Data capture was below 90% for AQ036 monitor due to power issues at the UTX site throughout the month.

1.1.13 There were no (0) complaints received during the reporting period (March 2026).

Appendix A – Worksites and Monitoring Locations

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



Legend

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

Map Number

Map Name

Worksite and Monitoring Locations In LBHF (Sheet 1)

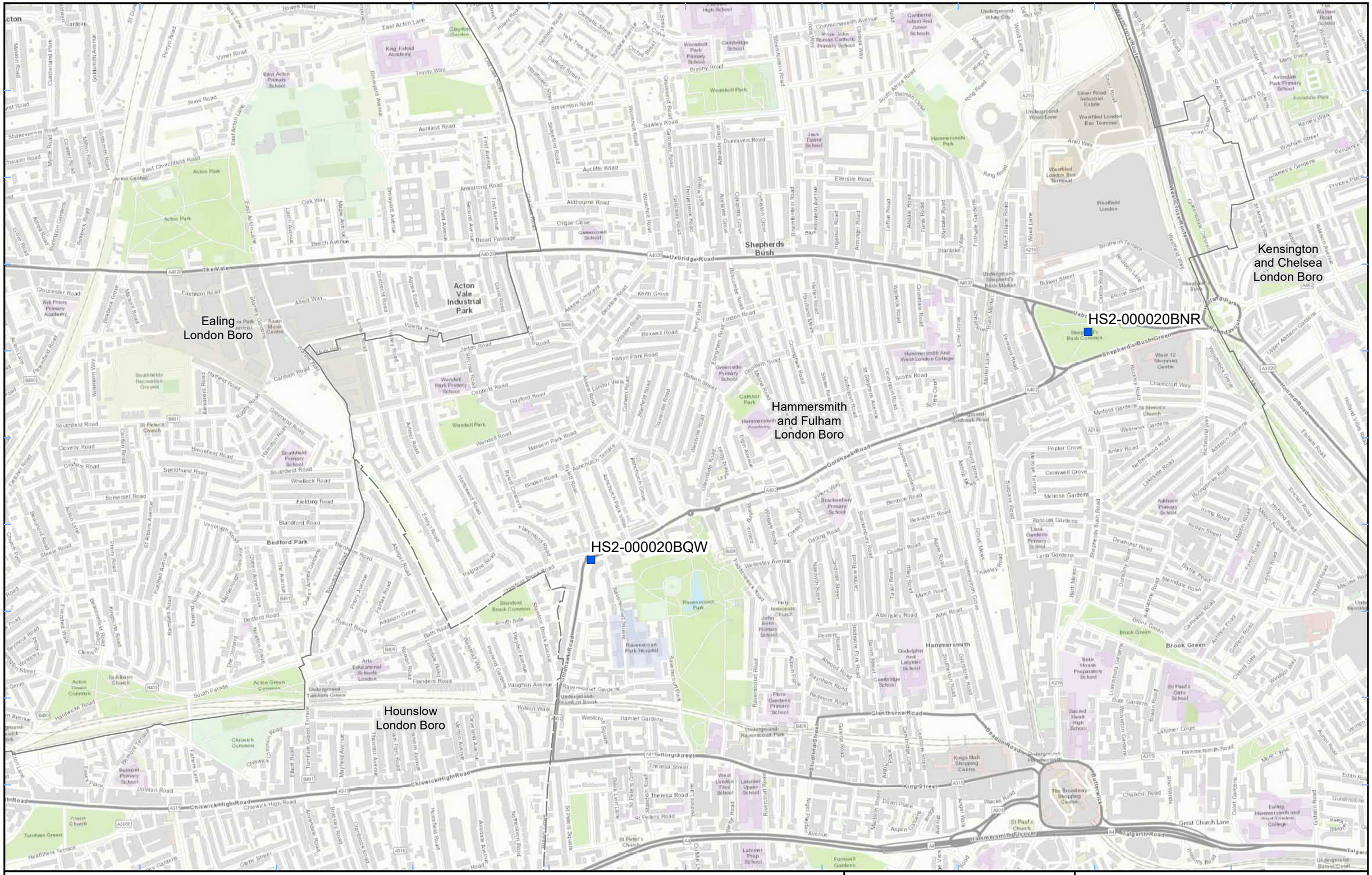
London Borough of Hammersmith and Fulham

Scale at A3: 1:10,000

Metres

Doc Number:

Date: 06/02/25



Legend

- Diffusion Tube
- District Borough Unitary Boundaries

Map Number

Map Name

Monitoring Locations In LBHF (Sheet 2)

London Borough of Hammersmith and Fulham

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

0 100 200 300 400

Metres

Doc Number:

Date: 08/12/20

Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

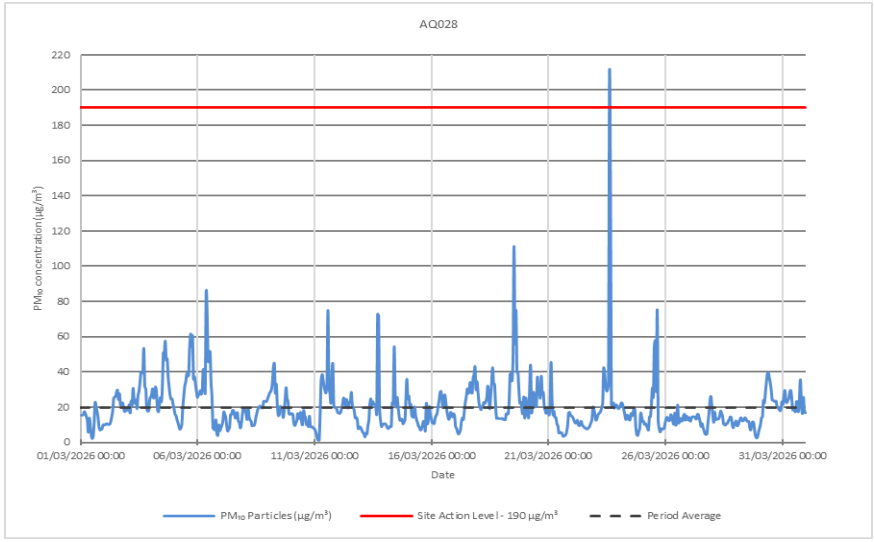
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM_{10} concentration ($\mu g/m^3$)	Minimum 1-hour PM_{10} concentration ($\mu g/m^3$)	Maximum 1-hour PM_{10} concentration ($\mu g/m^3$)	Number of 1-hour periods exceeding trigger level of 190 $\mu g/m^3$	Data capture (%)
AQ028	521302, 182067	Wells House Road	M	Yes	No	19.8	1.1	207.8	1	100.0
AQ029	521453, 182132	Old Oak Common	H	Yes	No	21.3	1.4	101.0	0	99.3
AQ035	521353, 181959	Old Oak Common	H	Yes	No	21.7	1.1	130.6	0	100.0
AQ036	521482, 181668	UTX South – Triangle Site	M	Yes	No	17.5	1.6	69.9	0	80.6

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

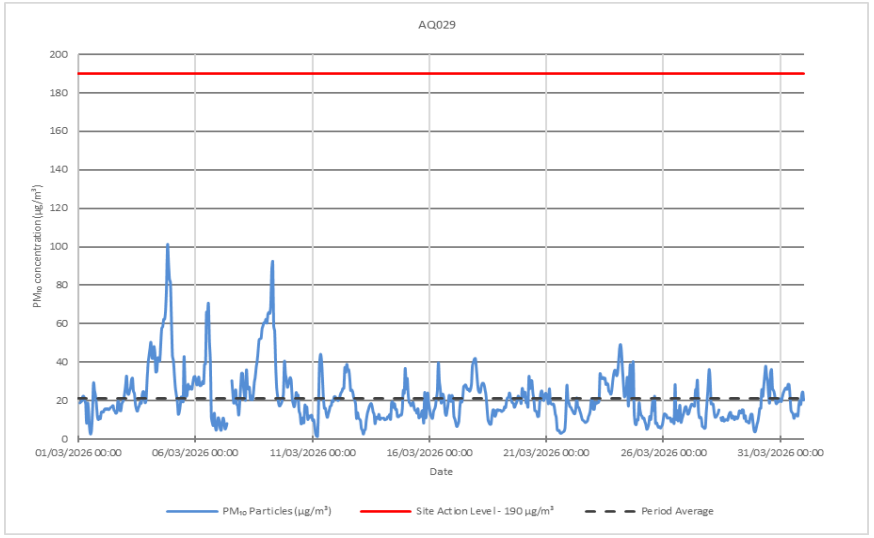
Monitoring Site ID	Period of trigger alert & Concentration recorded	Investigation	Outcomes / Resolution / Remedial measures implemented
AQ028	23/03/2026 14:01 - 15:00; 207.8 µg/m^3	An investigation determined that vacuum excavation and breaker works were being undertaken in close proximity to the dust monitor located along Wells House Road at the time of the exceedance. There were dust suppression measures were in place during the works. This included water suppression and Heras fencing around the works area.	Work was paused immediately when the dust exceedance alert was received. OCU are increasing the frequency of dust suppression across their works areas. The site team continued to closely monitor measured PM10 levels, though no further exceedances were observed during the day. All operatives were re-briefed of dust suppression procedures. No complaints were received.

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

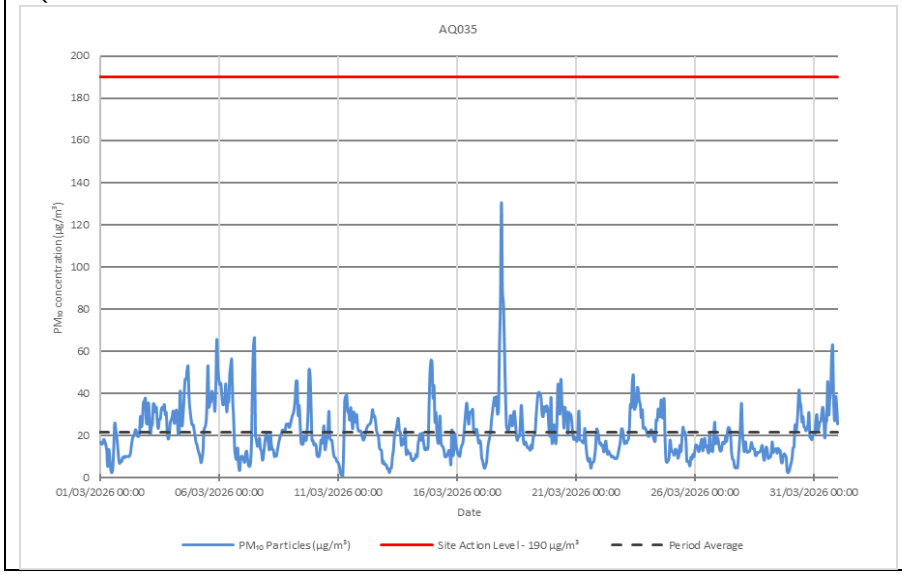
AQ028



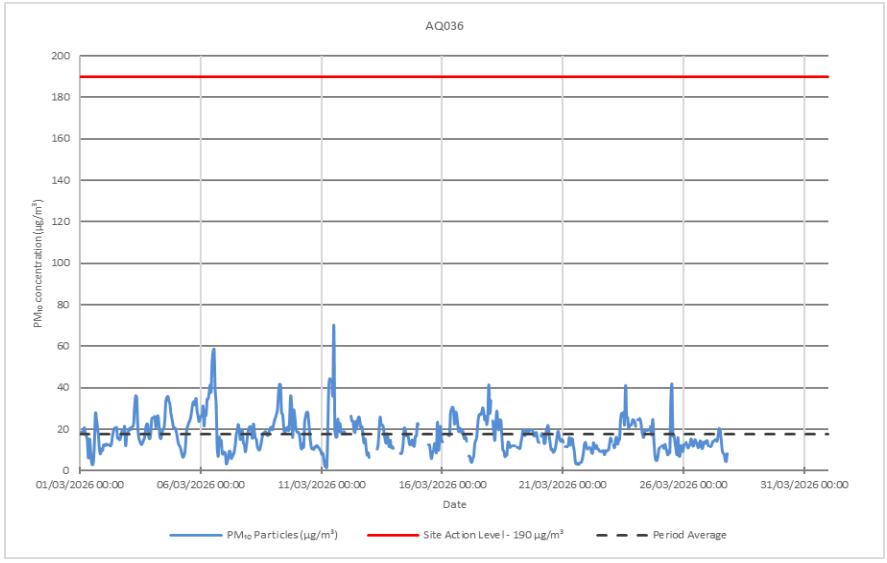
AQ029



AQ035



AQ036



Appendix C – Air Quality Monitoring Results

Table 3: 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
HS2-000020BN4	End of cycle lane sign on Old Oak Road	521625, 180871	36	32											34
HS2-000020BNR	Lamp posts in Shepherd's Bush Common	523481, 179871	36	28											32
HS2-000020BPP	Sign post on A219 Scrubs Lane, South of Harrow Road	522378, 182877	40	32											36
HS2-000020BPT	Controlled Zone/Zone Ends road sign on A219 Scrubs Lane, north of Hythe Road	522478, 182517	40	27											34
HS2-000020BQE	Lamp post next to No 11 Wulfstan Street	521996, 181118	29	25											27
HS2-000020BQW	Lamp post on A402 Goldhawk Road	522037, 179209	30	27											28

[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.*