HS2

August 2026

# Air Quality and Dust Monitoring Monthly Report – August 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 July 2026 and August 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, general site set-up including clearing of site space for digging-related activity, hoarding works (excavation and backfilling, muck away), trial holes, and making arrangements for scaffolding activities.
- Station Box: Steel fixing, formwork assembly (including striking formwork), piling, concrete pours and compaction.
- 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.
- OOCL: Excavating for comms ducts using VacEx in North UTX and North UtpZ, installing ducts and chambers (BT and Zayo), roping, brushing, mandrel and swabbing SSEN ducts, CCTV survey SSEN ducts, backfilling SSEN ducts, digging for comms ducts, drainage works and muck shifting, installation of sheet piles and sheet-piling/excavation works, Legato block installation and placing, install of stone, trial holes, and tidying up sites.
- MEPH: Installation of modules on Platform 9, installing modules and pipework within Platform 9, and installing modules within Platform 9 invert (GL 42).
- 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 Two (2) dust trigger alerts were recorded during the monitoring period (August 2026).

1.1.9 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.

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.

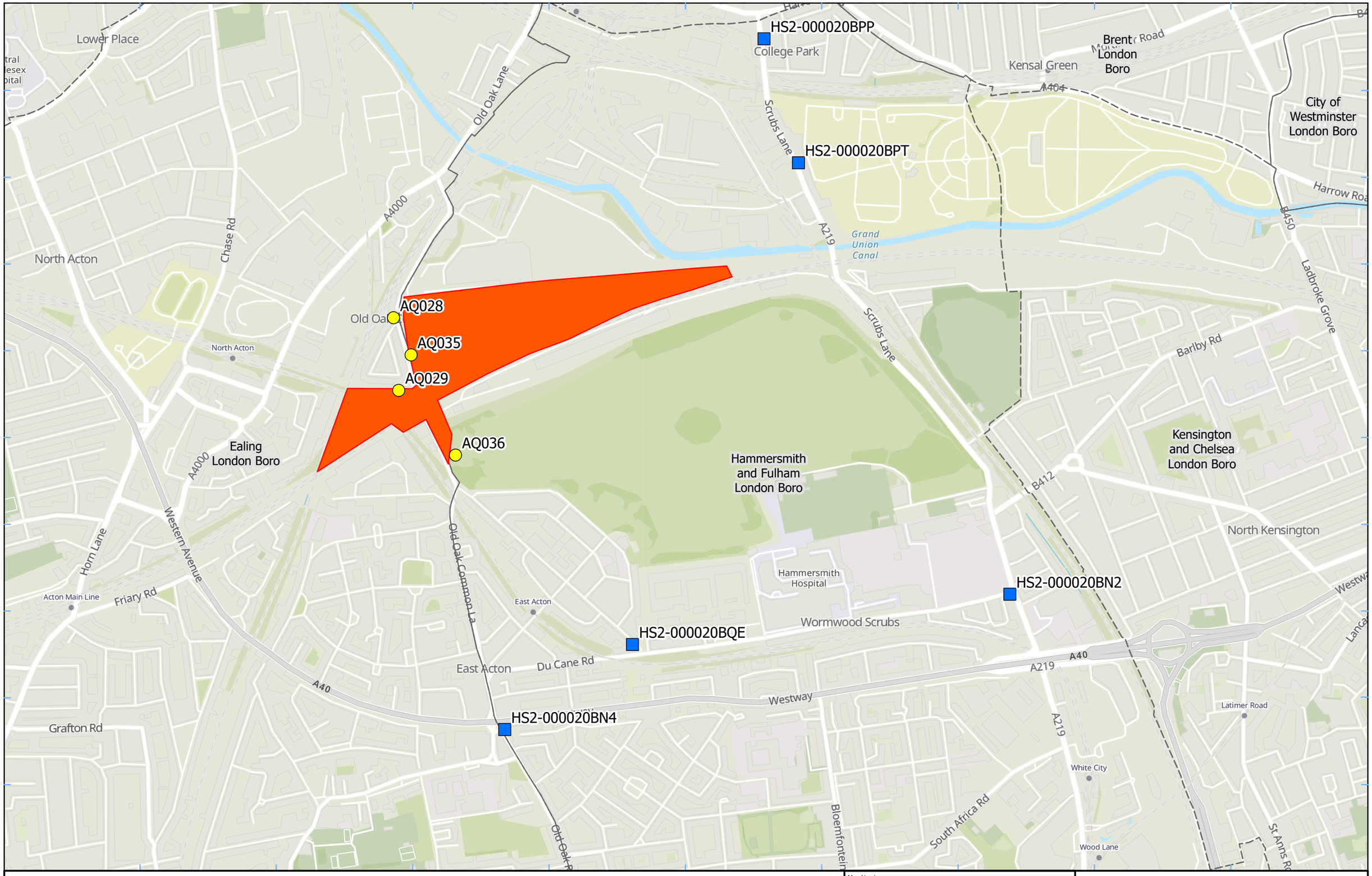
1.1.12 $NO_2$ monitoring locations and results are presented in Appendix C, Table 3, together with the 2026 running mean.

1.1.13 Data capture at monitor AQ028 was below 90% due to an airflow error; the faulty TNO4000 unit was replaced with TNO3561 on 20/08/2026 at 13:00, restoring normal operation.

1.1.14 There were no (0) complaints received during the reporting period (August 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

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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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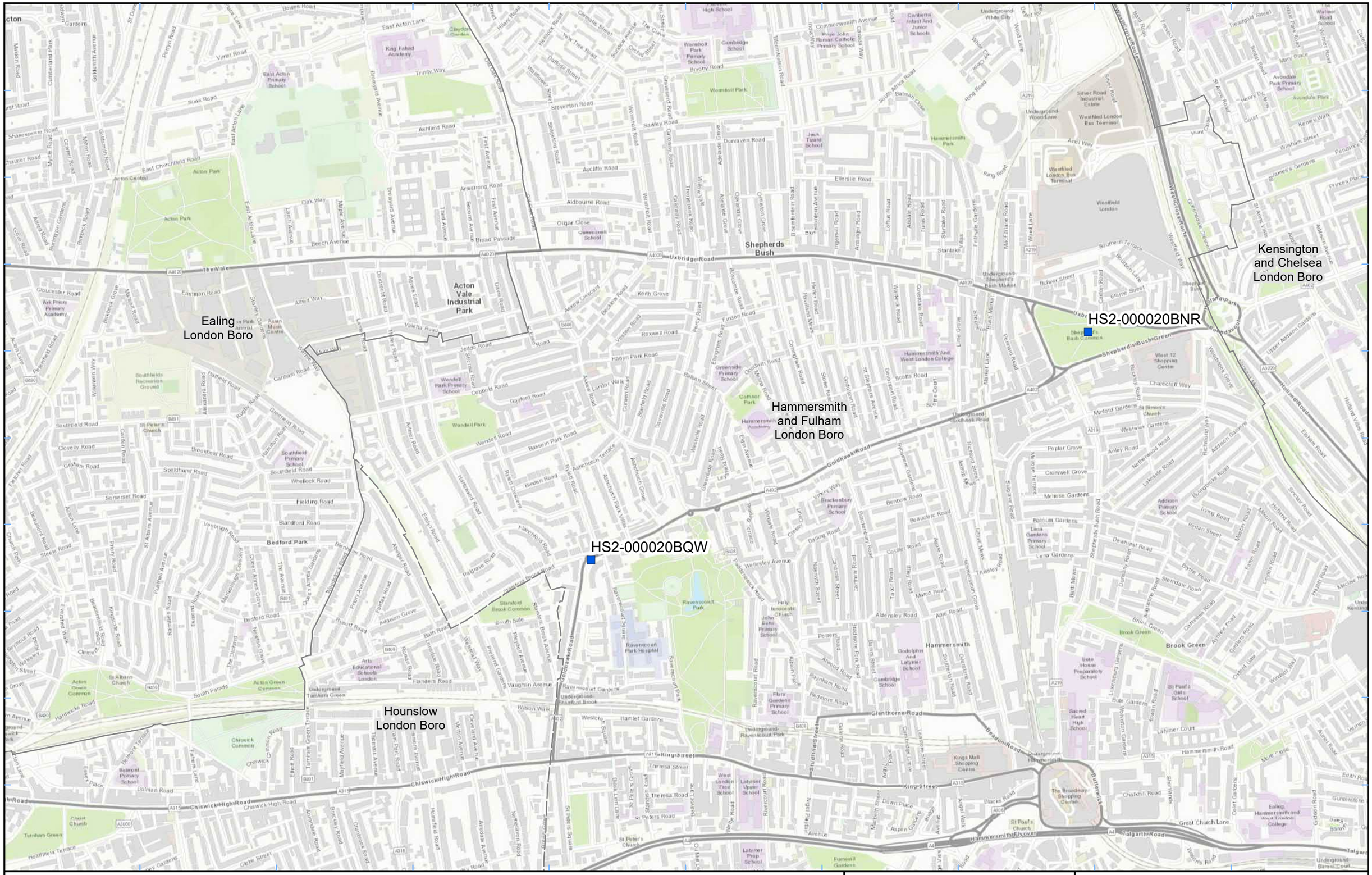
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**Date:** 06/02/25




**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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Scale at A3: 1:10,000

0 100 200 300 400

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**Date:** 08/12/20

# Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

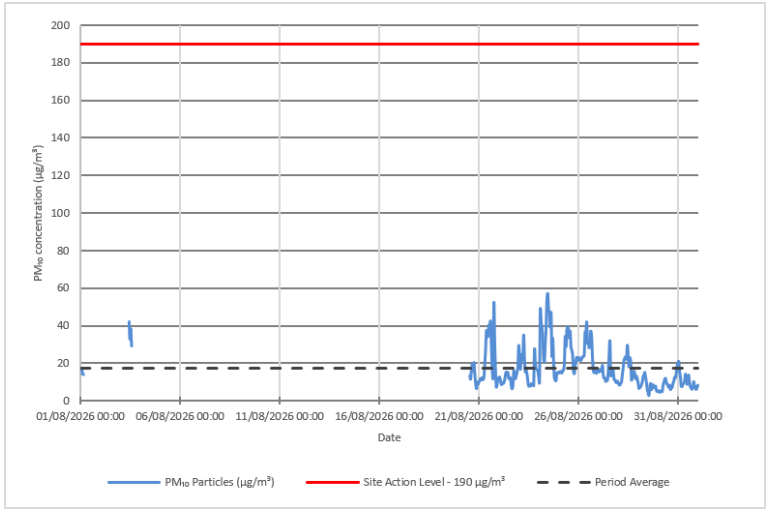
| Monitoring site ID | Coordinates (X,Y) | Location description | Dust risk rating for site | Monitoring site active during period | Change to site since previous period report | Mean 1-hour $PM_{10}$ concentration (µg/m³) | Minimum 1-hour $PM_{10}$ concentration (µg/m³) | Maximum 1-hour $PM_{10}$ concentration (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 | 17.3 | 2.9 | 57.2 | 0 | 38.0 |
| AQ029 | 521453, 182132 | Old Oak Common | H | Yes | No | 10.9 | 2.6 | 149.0 | 0 | 99.7 |
| AQ035 | 521353, 181959 | Old Oak Common | H | Yes | No | 17.0 | 2.1 | 352.2 | 2 | 100.0 |
| AQ036 | 521482, 181668 | UTX South – Triangle Site | M | Yes | No | 11.2 | 1.6 | 30.9 | 0 | 92.1 |

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

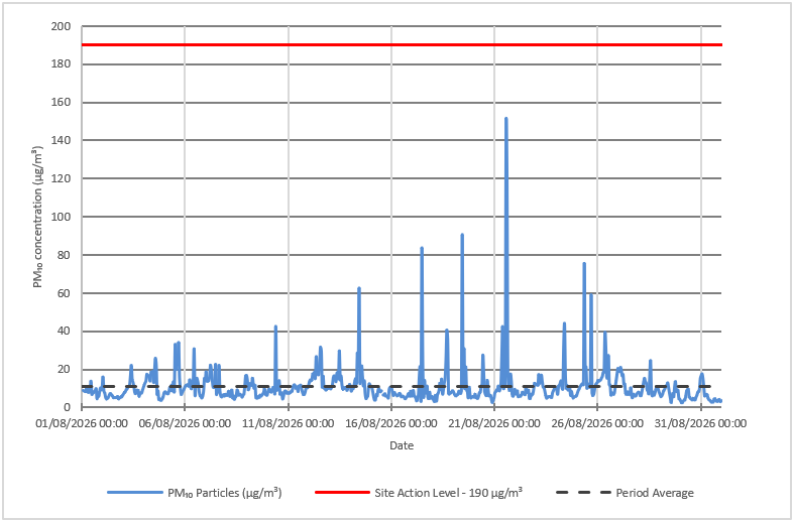
| Monitoring Site ID | Period of trigger alert & Concentration recorded | Investigation | Outcomes / Resolution / Remedial measures implemented |
|---|---|---|---|
| AQ035 | 04/08/2026<br>11:01 – 12:00; 352.2 µg/m³<br>12:01 – 13:00; 270.5 µg/m³ | An investigation was undertaken following a $PM_{10}$ trigger alert generated by the Osiris monitor (A-TNO3998) at Old Oak Common Location 35. The alert indicated an hourly mean $PM_{10}$ concentration of 352.2 µg/m³ recorded at 12:00 on 4th August 2026. Site activities in the vicinity of the monitor were reviewed, together with weather conditions and operational records for the period. Dust-generating activities were being undertaken within the construction area near the monitoring location at the time of the alert, which may have contributed to the elevated particulate concentrations recorded. | Site personnel were reminded of dust management and suppression requirements under the CEMP. Dust-generating activities were reviewed, and additional attention was given to damping down exposed surfaces and monitoring activities undertaken close to sensitive receptors. $PM_{10}$ concentrations continued to be monitored following the alert. No sustained elevated concentrations or further trigger alerts were recorded during the reporting period. No complaints relating to dust were received. |

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

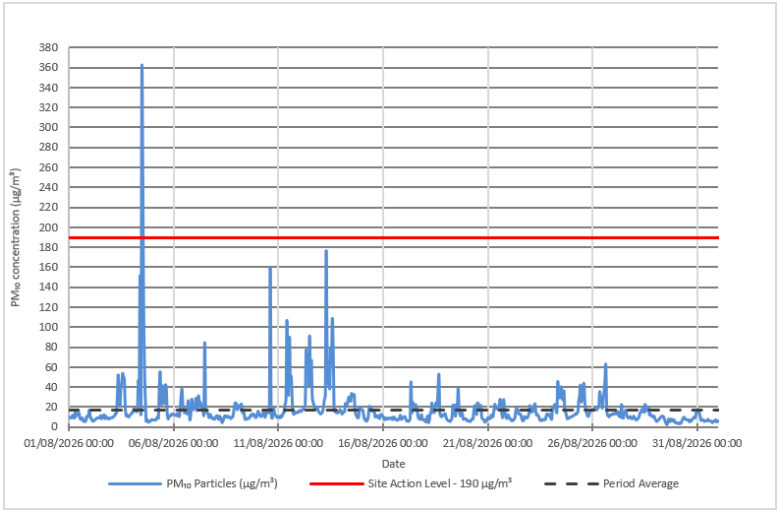
AQ028



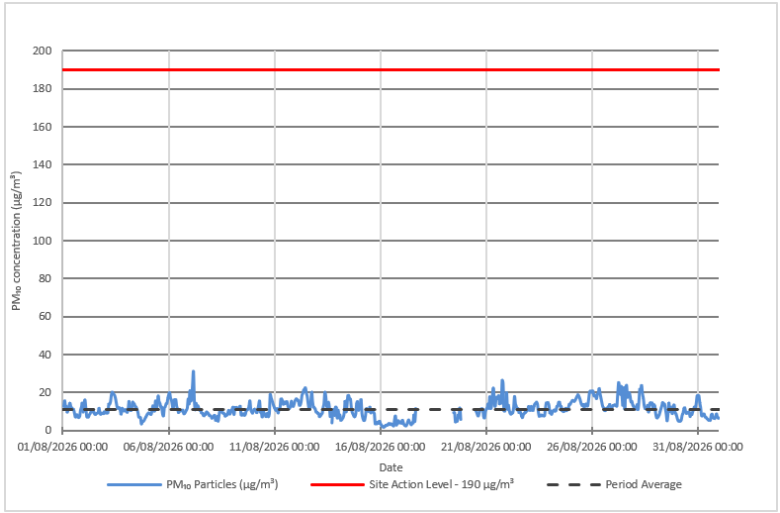

AQ029




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[12] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HS2-000020BN2 | Lamp post on Du Cane Road | 523092, 181264 | Tube Missing | 35 | 35 | Tube Missing | 30 | 25 | Tube Missing | | | | | | 31 |
| HS2-000020BN4 | End of cycle lane sign on Old Oak Road | 521625, 180871 | 36 | 32 | 37 | 33 | 30 | 24 | 26 | | | | | | 31 |
| HS2-000020BNR | Lamp posts in Shepherd's Bush Common | 523481, 179871 | 36 | 28 | 26 | 27 | 22 | 26 | 20 | | | | | | 26 |
| HS2-000020BPP | Sign post on A219 Scrubs Lane, South of Harrow Road | 522378, 182877 | 40 | 32 | 31 | 26 | 28 | 25 | 29 | | | | | | 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 | 21 | | | | | | 27 |
| HS2-000020BQE | Lamp post next to No 11 Wulfstan Street | 521996, 181118 | 29 | 25 | 23 | 19 | 18 | 16 | 13 | | | | | | 20 |
| HS2-000020BQW | Lamp post on A402 Goldhawk Road | 522037, 179209 | 30 | 27 | 28 | 23 | 18 | 18 | 15 | | | | | | 23 |

[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.*