

Air Quality and Dust Monitoring Monthly Report – December 2024

Royal Borough of Kensington and Chelsea



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.

High Speed Two (HS2) Limited,
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

A report prepared by EWCs and MWCCs on behalf of HS2 Ltd.

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2024, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v2.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/2 **OGI** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.

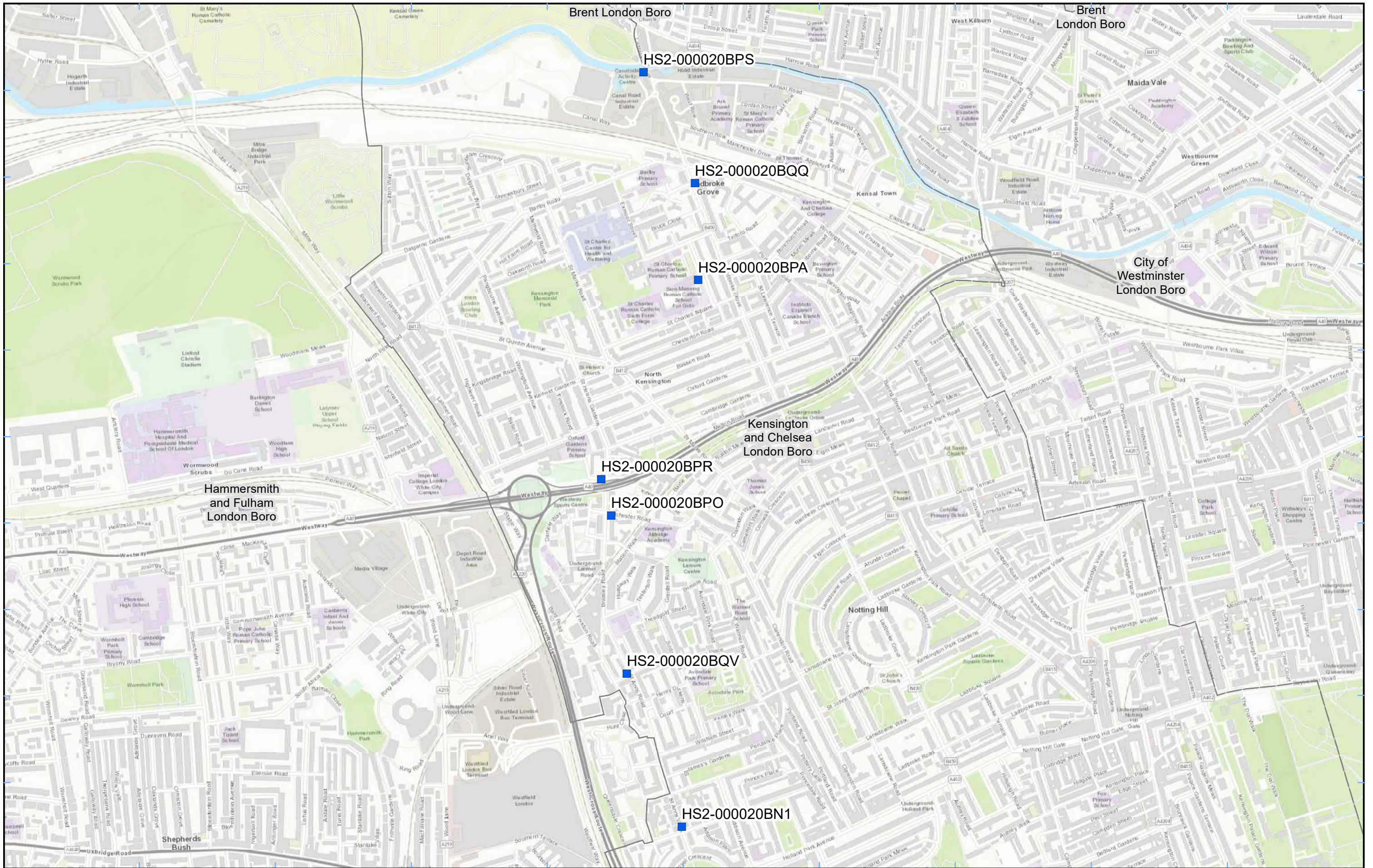


Monthly Summary

- 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 monitoring undertaken in the Royal Borough of Kensington and Chelsea (RBKC) during November 2024.
- 1.1.2 Figure 1 in Appendix A present the current 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 There are no current worksites located within the RBKC. Therefore, no dust monitoring has been carried out.
- 1.1.5 Diffusion tube monitoring of Nitrogen Dioxide (NO₂) is undertaken at seven (7) locations in around highways within the RBKC as part of the management of air quality where significant effects may occur as a result of the scheme.
- 1.1.6 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.
- 1.1.7 NO₂ monitoring locations and results are presented in Appendix B, Table 1, together with the 2024 running mean.
- 1.1.8 There were no (0) complaints received during this reporting period (December 2024).

Appendix A – Worksites and Monitoring Locations

Figure 1: Current monitoring locations within the RBKC



Legend
■ Diffusion Tube
 District Borough Unitary Boundaries

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Map Number
 Map Name
Monitoring Locations In RBKC
 Royal Borough of Kensington and Chelsea

hs2
 HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

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

© Crown copyright and database rights 2020.
 Ordnance Survey Licence Number 100049190.

Doc Number: Date: 08/12/20

Appendix B – Air Quality Monitoring Results

Table 1: NO₂ monitoring locations around highways, NO₂ concentrations and monthly monitoring results with running mean for 2024 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BN1	Sign post on St Ann's Villas	523998, 180160	42	37	35	38	33	28	26	28	31	41	34		34
HS2-000020BPO	Lamp post off Silchester Road	523792, 181066	19	30	25	22	26	21	20	22	Tube Missing	30	36		25
HS2-000020BPR	Lamp post at junction of Crowthorne Road and Bramley Road	523763, 181172	38	Tube Missing	29	24	29	24	25	27	27	33	37		29
HS2-000020BPS	Lamp post by fence on B450 Ladbroke Grove, south of A404 Harrow Road	523886, 182358	34	36	35	28	36	27	25	25	32	42	42		33

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
HS2-000020BQQ	Lamp post along Ladbroke Grove, near shops and bus stop at Trevorton Road junction	524036, 182034	40	38	31	Tube Missing	Tube Missing	31	14	29	Tube Missing	36	44		33
HS2-000020BQV	Lamp post on St Ann's Street	523838, 180606	38	33	24	24	28	24	20	25	28	35	38		29
HS2-000020BPA	Triplicate site at Sion Manning School, St. Charles' square, next to the North Kensington urban background automatic monitoring stations	524045, 181752	29	27	20	16	19	15	13	15	20	24	29		20