

## Air Quality and Dust Monitoring Monthly Report – January 2021

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.

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

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# Monthly Summary

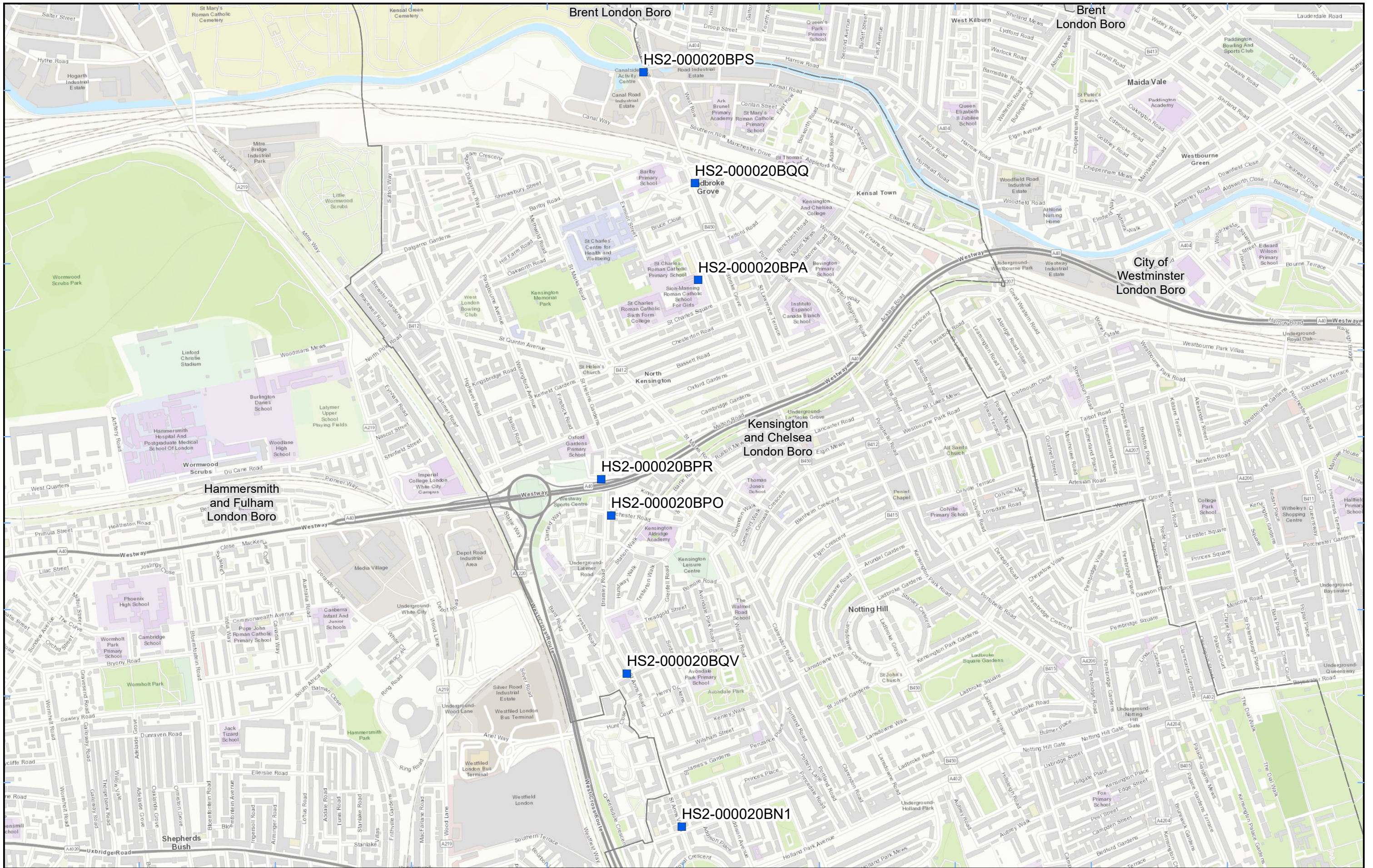
- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of air quality monitoring undertaken in the Royal Borough of Kensington and Chelsea (RBKC) during December 2020.
- 1.1.2 Figure 1 in Appendix A indicates 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](http://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 (NO<sub>2</sub>) 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. However, based on the results to date, no unexpected values were recorded during the monitoring period.
- 1.1.6 Diffusion tube monitoring results are 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 NO<sub>2</sub> monitoring locations and results are presented in Appendix B, Table 1, together with the 2020 running mean.
- 1.1.8 There were no (0) complaints received, relating to air quality, during this reporting period (January 2021).

# Appendix A – Worksites and Monitoring Locations

Figure 1: Current monitoring locations within the RBKC







**Legend**  
 Diffusion Tube  
 District Borough Unitary Boundaries

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

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## Appendix B – Air Quality Monitoring Results

Table 1: NO<sub>2</sub> monitoring locations around highways, NO<sub>2</sub> concentrations and monthly monitoring results with running mean for 2020 (µg/m<sup>3</sup>)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar <sup>1</sup>	Apr <sup>1</sup>	May <sup>1</sup>	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean <sup>2</sup>
HS2-000020BN1	Sign post on St Ann's Villas	523998, 180160	57	44	No data			30	22	32	44	45	57	49	42
HS2-000020BPO	Lamp post off Silchester Road	523792, 181066	45	35	No data			26	19	29	34	No Data	Tube missing	39	32
HS2-000020BPR	Lamp post at junction of Crowthorne Road and Bramley Road	523763, 181172	46	36	No data			31	22	33	38	36	45	41	36
HS2-000020BPS	Lamp post by fence on B450 Ladbroke Grove, south of A404 Harrow Road	523886, 182358	Tube missing	Tube missing	No data			40	Tube missing	39	39	43	51	51	44
HS2-000020BQQ	Lamp post along Ladbroke Grove, near shops and bus stop at Trevorton Road junction	524036, 182034	57	53	No data			41	29	49	51	43	49	42	46
HS2-000020BQV	Lamp post on St Ann's Street	523838, 180606	49	40	No data			27	20	Tube missing	38	40	53	43	39

<sup>1</sup> Note: Due to the Covid-19 pandemic and government lockdown it was not possible to conduct diffusion tube air quality monitoring in March, April and May 2020.

<sup>2</sup> 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.

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar <sup>1</sup>	Apr <sup>1</sup>	May <sup>1</sup>	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean <sup>2</sup>
HS2-000020BPA	Triplicate site at Sion Manning School, St. Charles' square, next to the North Kensington urban background automatic monitoring stations	524045, 181752	37	28	No data			17	18	21	24	27	40	32	27