

Air Quality and Dust Monitoring Monthly Report – January 2019

Royal Borough of Kensington and Chelsea



SKANSKA



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 Costain Skanska on behalf of HS2 Ltd.

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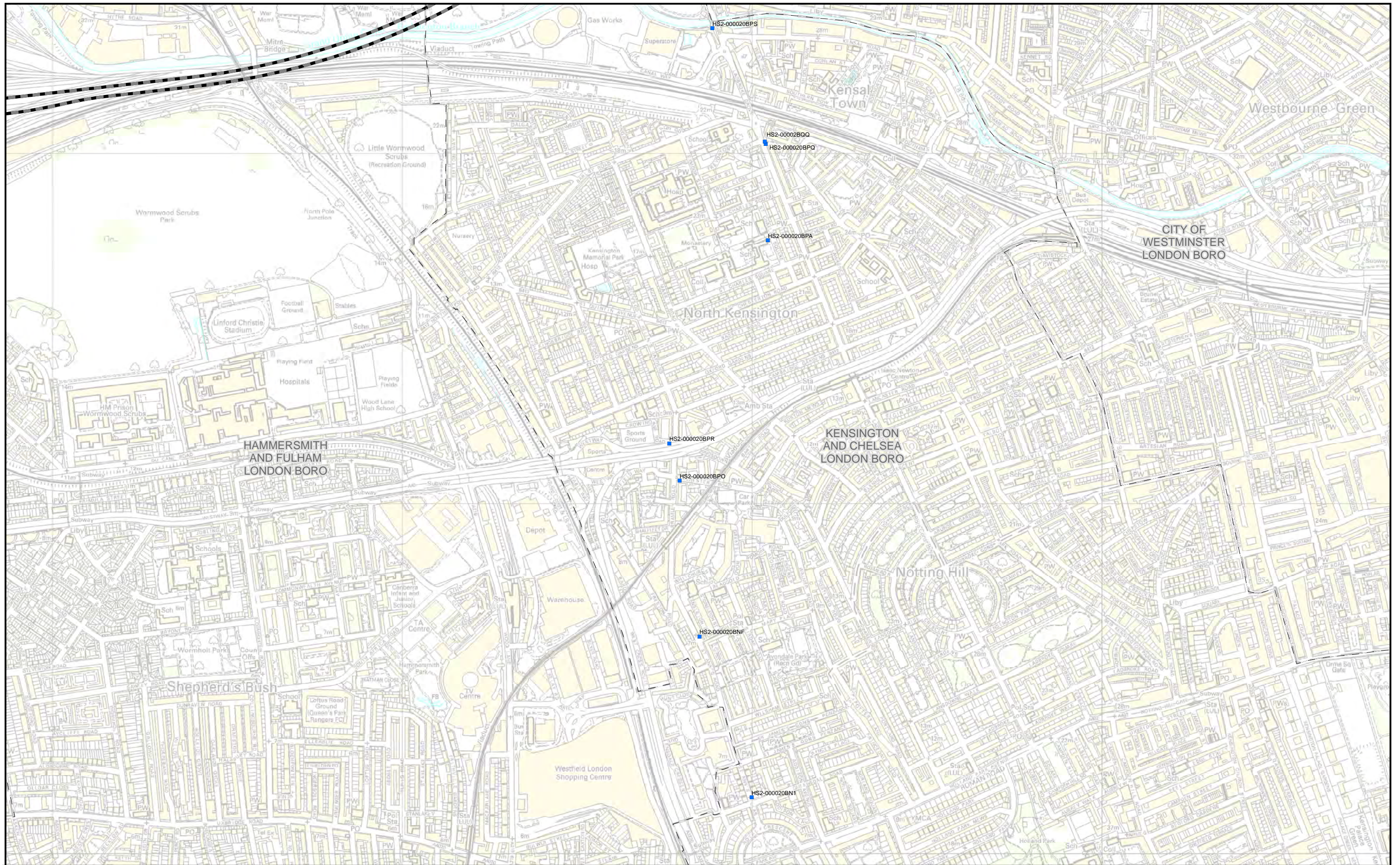
Monthly Summary

- 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 2018.
- 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, 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) was undertaken at seven (7) locations in December 2018, around highways within the RBKC as part of the management of air quality where significant effects may occur as a result the scheme.
- 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 NO₂ monitoring locations and results are presented in Appendix B, Table 1, together with the 2018 running mean.
- 1.1.8 There were no complaints received, relating to air quality, during this monitoring period.

Appendix A – Worksites and Monitoring Locations

Figure 1: Current monitoring locations within the RBKC





- Legend**
- Route in tunnel
 - Route on surface
 - Diffusion tube monitoring location

Figure Number: 1

Figure Name
Monitoring locations in RBKC

Royal Borough of Kensington and Chelsea

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Scale at A3: 10,000

Appendix B – Air Quality Monitoring Results

Table 1: NO₂ monitoring locations around highways, NO₂ concentrations and monthly monitoring results with running mean for 2018 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹
HS2-000020BN1	Sign post on St Ann's Villas	523998, 180160	57	50	51	50	50	41	52	37	46	29	54	44	47
HS2-000020BNF	Unsuitable for long vehicles sign on St Ann's Villas	523849, 180620	Tube missing	Tube missing	54	47	45	40	45	37	39	Tube missing	Tube missing	Tube missing	44
HS2-000020BPO	Lamp post off Silchester Road	523792, 181066	42	48	42	40	47	34	37	35	35	Tube missing	45	42	41
HS2-000020BPQ	Lamp post along Ladbroke Grove, near shops and bus stop at Trevorton Road junction	524038, 182028	43	Tube missing	47	37	42	39	No data	No data	No data	No data	No data	No data	42
HS2-000020BPR	Lamp post at junction of Crowthorne Road and Bramley Road	523763, 181172	Tube missing	46	46	41	46	39	45	46	37	Tube missing	Tube missing	Tube missing	43
HS2-000020BPS	Lamp post by fence on B450 Ladbroke Grove, south of A404 Harrow Road	523886, 182358	51	53	54	54	60	40	46	29	40	50	54	46	48

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.

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹
HS2-000020BQQ	Lamp post along Ladbroke Grove, near shops and bus stop at Trevorton Road junction	524036, 182034	No data	No data	No data	No data	No data	No data	51	50	49	50	55	57	52
HS2-000020BPA	Triplicate site at Sion Manning School, St. Charles' square, next to the North Kensington urban background automatic monitoring stations	524045, 181752	40	37	33	30	30	23	25	24	29	36	39	41	32