

Air Quality and Dust Monitoring Monthly Report – **September** 2020

Royal Borough of Kensington and Chelsea



SKANSKA



Department for Transport

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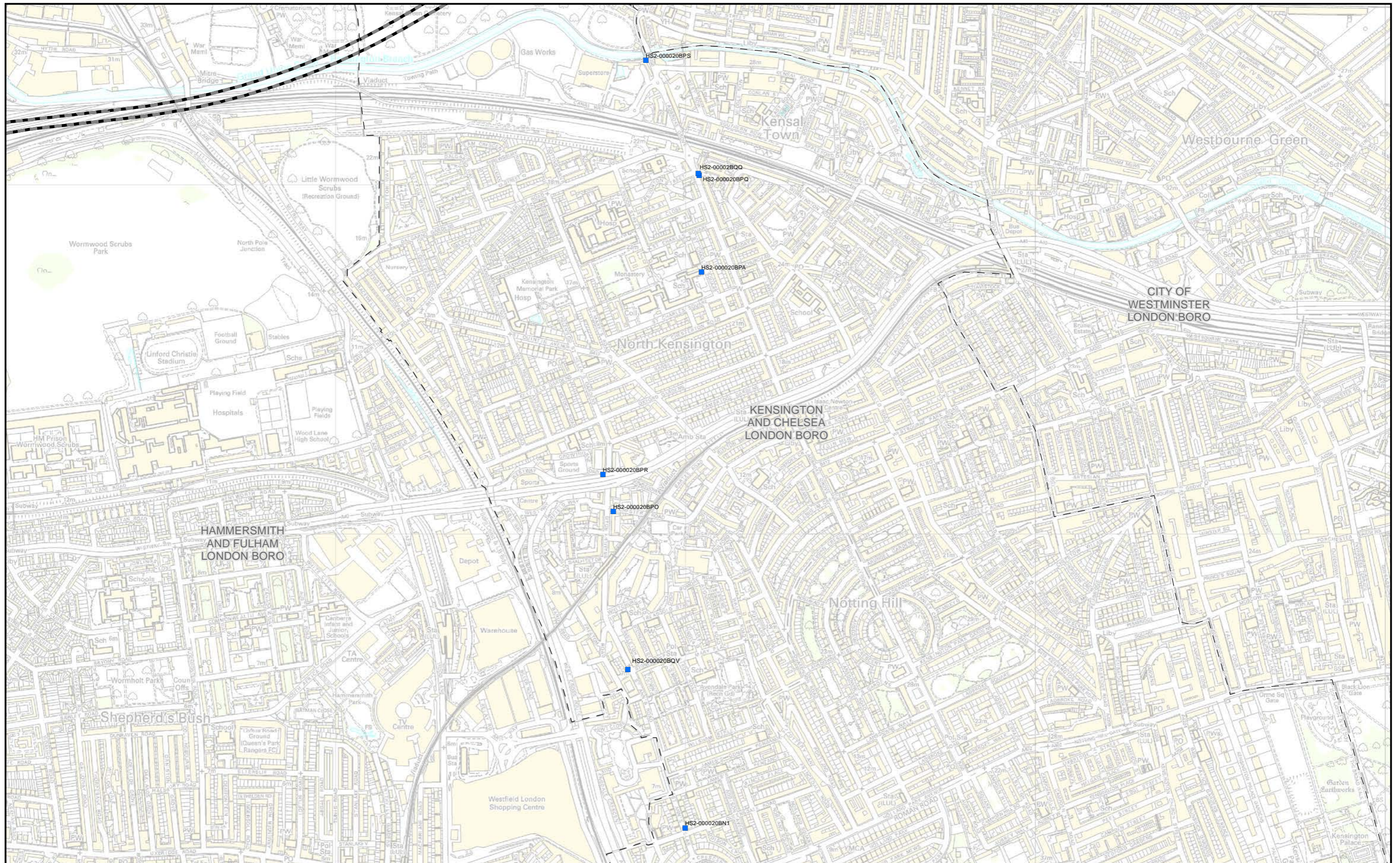
Monthly Summary

- 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 monitoring undertaken in the Royal Borough of Kensington and Chelsea (RBKC) during August 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, 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 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 2020 running mean.
- 1.1.8 There were no (0) complaints received, relating to air quality, during this reporting period (September 2020).

Appendix A – Worksites and Monitoring Locations


Figure 1: Current monitoring locations within the RBKC


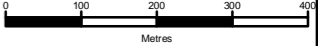




- Legend**
- Route in tunnel
 - Route on surface
 - Diffusion tube monitoring location

Figure Number	
Figure Name	Monitoring locations in RBKC
Royal Borough of Kensington and Chelsea	


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Appendix B – Air Quality Monitoring Results

Table 1: NO₂ monitoring locations around highways, NO₂ concentrations and monthly monitoring results with running mean for 2020 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar ¹	Apr ¹	May ¹	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ²
HS2-000020BN1	Sign post on St Ann's Villas	523998, 180160	57	44	No data			30	22	32					37
HS2-000020BPO	Lamp post off Silchester Road	523792, 181066	45	35	No data			26	19	29					31
HS2-000020BPR	Lamp post at junction of Crowthorne Road and Bramley Road	523763, 181172	46	36	No data			31	22	33					33
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

¹ 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.

² 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 ¹	Apr ¹	May ¹	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ²
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					46
HS2-000020BQV	Lamp post on St Ann's Street	523838, 180606	49	40	No data			27	20	Tube missing					34
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