

## **Air Quality and Dust Monitoring Monthly Report – December 2018**

**London Borough of Brent**



**SKANSKA**



## Department for Transport

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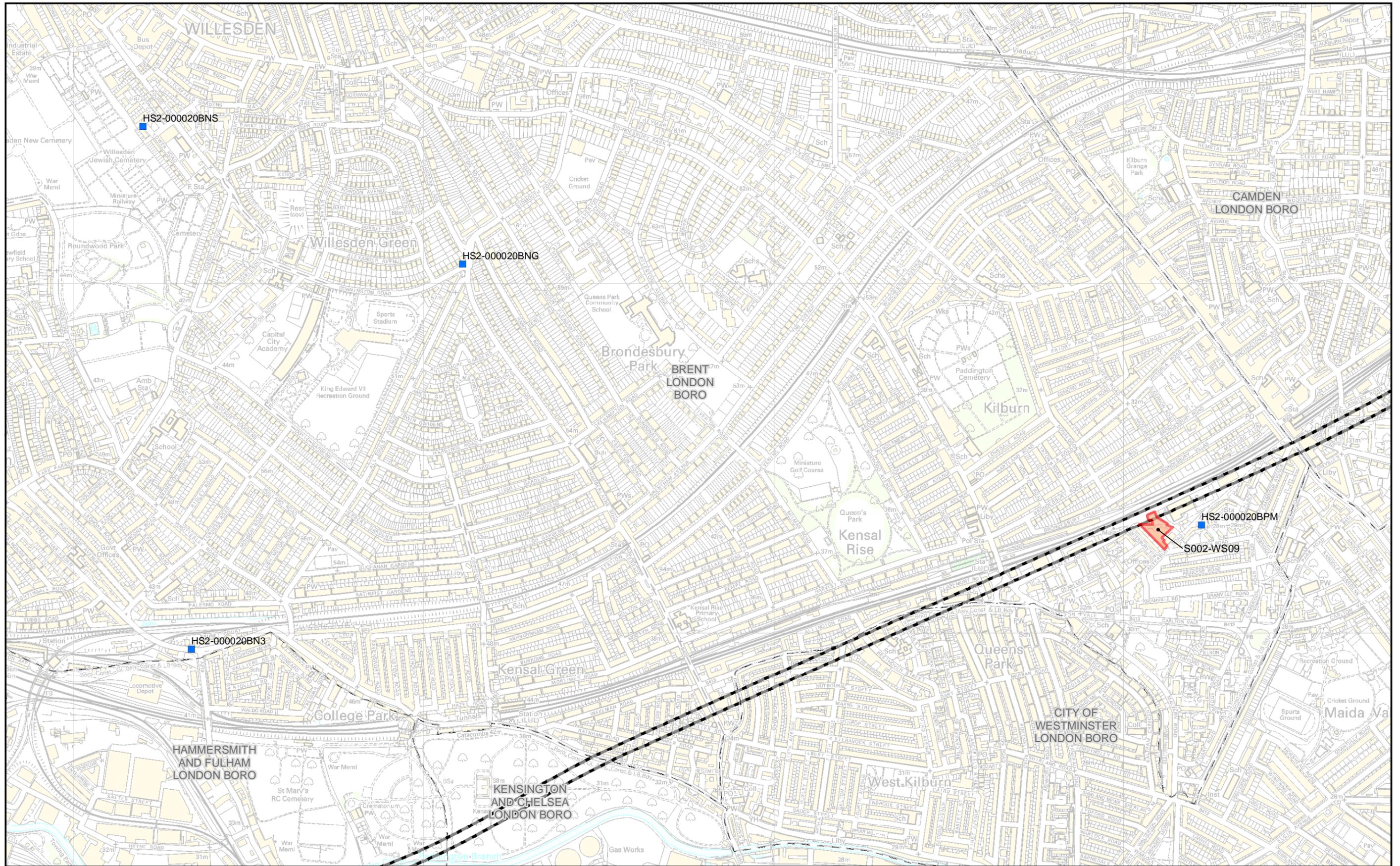


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# Monthly Summary

- 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 London Borough of Brent (LBB) during November 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](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 The current phase of works commenced within the LBB during September 2018, and are expected to be completed by July 2019. The current worksite, as presented in Appendix A, Figure 1, includes:
- Canterbury Road Vent Shaft, securing of site and pre-demolition surveys, worksite ref: S002-WS09.
- 1.1.5 Diffusion tube monitoring of Nitrogen Dioxide (NO<sub>2</sub>) was undertaken at four (4) locations in November 2018, around highways within the LBB 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 NO<sub>2</sub> monitoring locations and results are presented in Appendix B, Table 1, together with the 2018 running mean.
- 1.1.8 Dust monitors will be installed in the coming months prior to the commencement of demolition.
- 1.1.9 There were no complaints received, relating to air quality, during this monitoring period.

# Appendix A – Monitoring Locations



- Legend**
-  Route in tunnel
  -  Route on surface
  -  Diffusion tube monitoring location
  -  Canterbury Road Vent Shaft

Figure Number	
Figure Name	Monitoring locations in LBB
London Borough of Brent	



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Scale at A3: 10,000



## 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 2018 (µg/m<sup>3</sup>)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean <sup>1</sup>
HS2-000020BN3	Sign post on High Street Harlesden	522335, 182955	67	55	54	58	63	56	62	56	58	62	61		59
HS2-000020BNG	Lamp post on Donnington Road	523110, 184055	49	41	53	38	43	33	39	29	41	No data	47		41
HS2-000020BNS	Lamp post on Tower Road by Willesden Jewish Cemetery	522196, 184448	42	39	38	31	Tube missing	22	23	24	Tube missing	26	33		31
HS2-000020BPM	Lamp post along Gorefield Place near block of flats	525222, 183309	40	39	34	28	31	22	25	26	29	32	37		31

<sup>1</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.