

Air Quality and Dust Monitoring Monthly Report – January 2020

City of Westminster



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.

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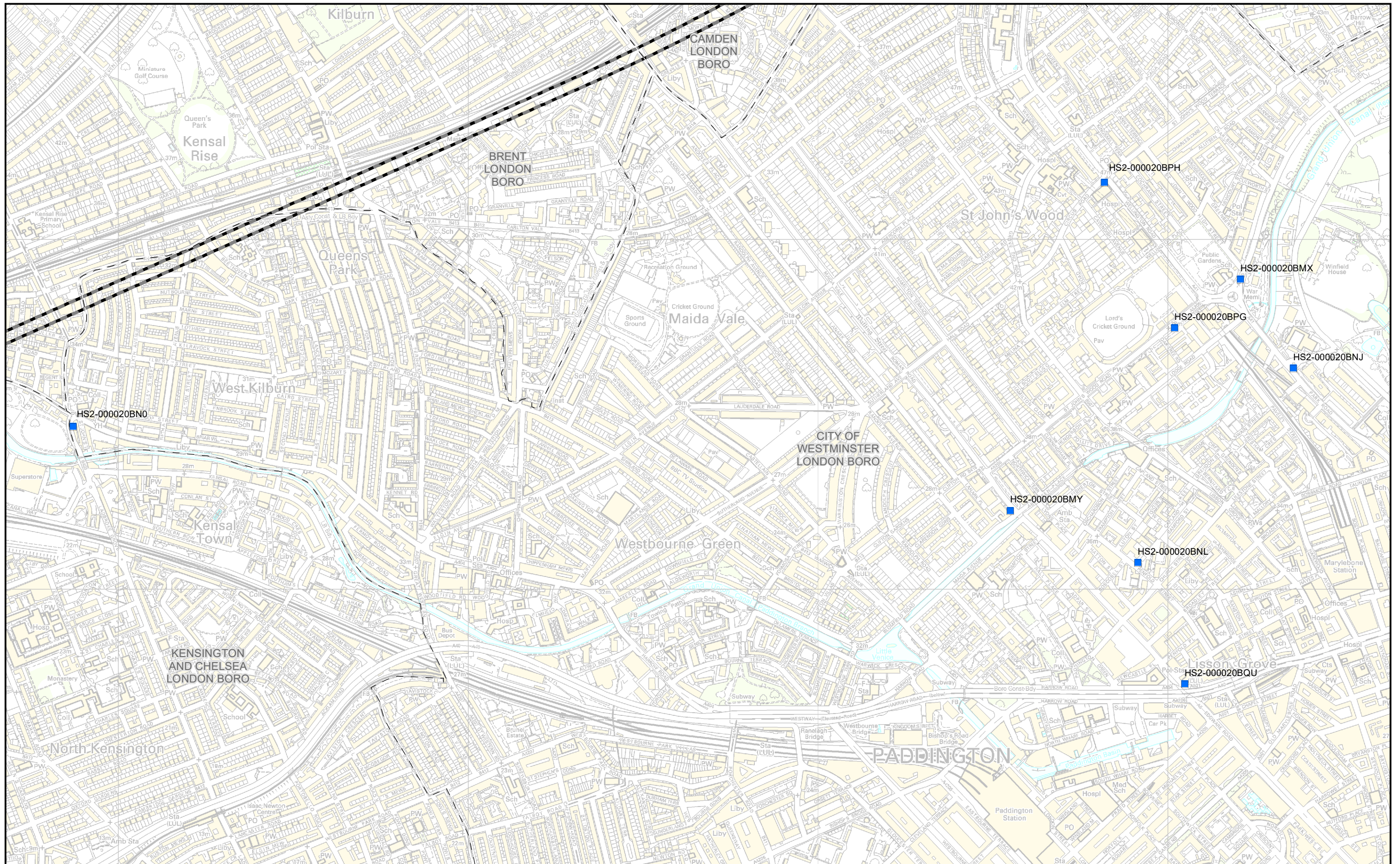
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Monthly Summary

- 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 City of Westminster (CoW) during December 2019.
- 1.1.2 Figure 1 and Figure 2 in Appendix A indicate 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 CoW. Therefore, no dust monitoring has been carried out.
- 1.1.5 Diffusion tube monitoring of Nitrogen Dioxide (NO₂) was undertaken at thirteen (13) locations in December 2019, around highways within the CoW 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 2019 running mean.
- 1.1.8 There were no (0) complaints received, relating to air quality, during this monitoring period (January 2020).

Appendix A –Monitoring Locations

Figure 1 and 2: Current monitoring locations within the COW









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

Figure Number	
Figure Name	Worksites and Monitoring locations in COW (sheet 1)
	City of Westminster

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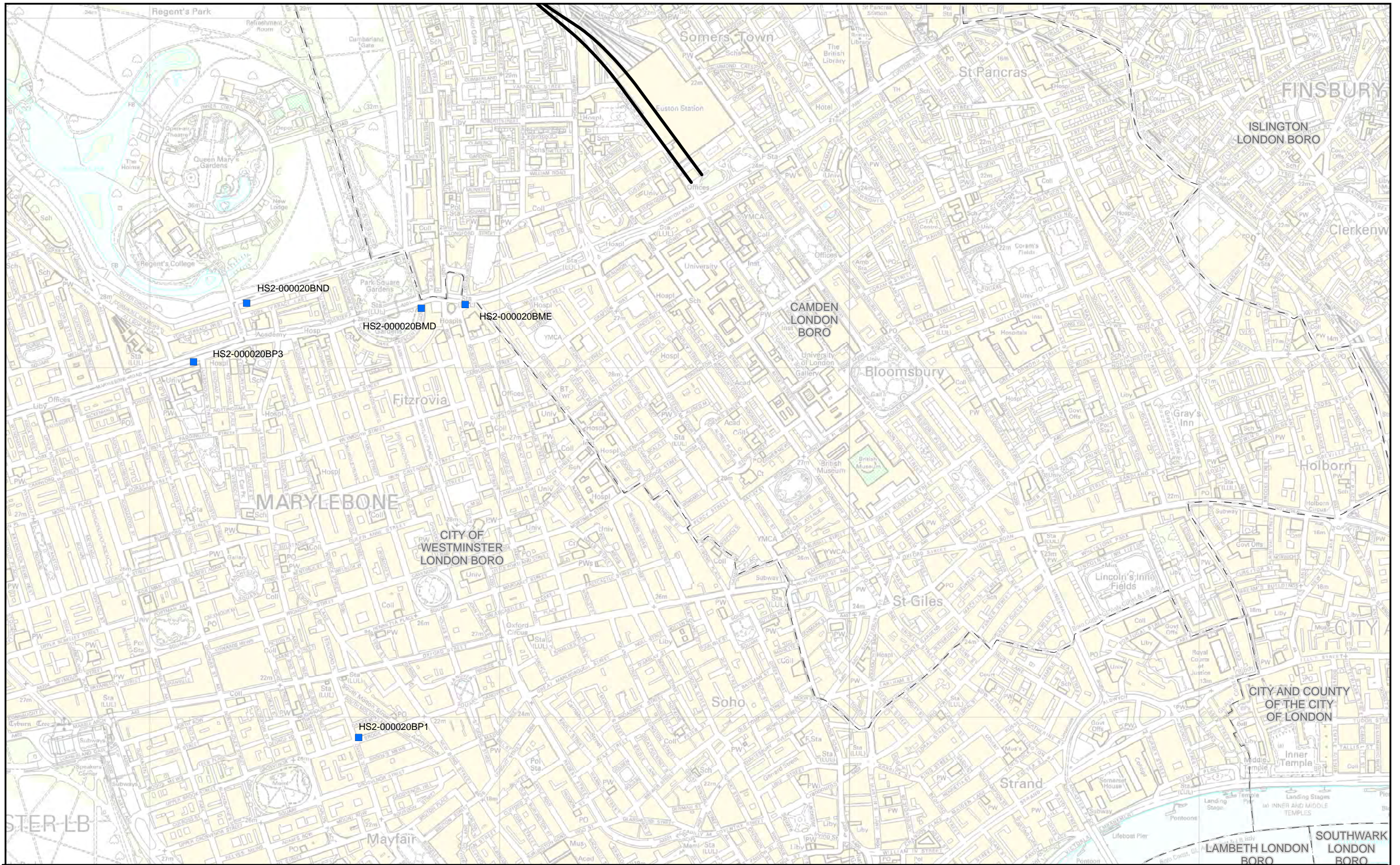


Scale at A3: 10,000



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Map Number: 1EW02-CSJ-EV-REP-S000-000017_appA_fig1.pdf **Date:** 27/06/19








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

Figure Number	
Figure Name	Worksites and Monitoring locations in COW (sheet 2)
	City of Westminster


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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 2019 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec ¹	Mean ²
HS2-000020BMD	Lamp post on Park Crescent Road	528776, 182170	61	69	70	78	67	64	66	No data	60	52	62	47	63
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	No data	101	90	89	73	78	86	69	83	67	79	Tube missing	81
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	49	56	52	46	43	42	37	43	43	41	46	46	45
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	64	63	60	49	45	44	47	48	46	44	68	49	52
HS2-000020BN0	Lamp post on Ladbroke Grove	523869, 182465	50	57	49	60	45	55	50	41	51	50	65	43	51
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	43	48	38	26	24	33	28	Tube missing	33	35	54	No data	36
HS2-000020BNJ	Light post on Park Road	527359, 182633	64	66	52	48	39	51	47	Tube missing	50	45	50	40	50
HS2-000020BNL	Lamp post on Penfold Street	526914, 182077	43	50	40	36	29	31	29	34	37	36	44	37	37
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	67	62	58	54	Tube missing	53	45	42	82	52	57	54	57

¹ Note: several diffusion tubes from the December 2019 batch were incorrectly prepared by the laboratory and could not be accurately analysed. Where this is the case, 'No data' is displayed.

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	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec ¹	Mean ²
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	50	57	42	43	37	34	29	33	38	39	49	37	41
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	52	58	44	38	35	32	36	37	40	43	45	39	42
HS2-000020BQU	Lamp post outside Edgware Road Station	527048, 181731	82	73	76	74	61	66	63	59	75	75	71	65	70
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	73	79	73	62	56	65	62	62	68	63	64	67	66