HS2

December 2024

Air Quality and Dust Monitoring Monthly Report – December 2024

City of Westminster

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Department for Transport

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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 City of Westminster (CoW) during November 2024.

1.1.2 Figure 1 and Figure 2 in Appendix A present 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 (NO_2) was undertaken at thirteen (13) locations around highways within the CoW as part of the management of air quality where significant effects may occur as a result of the scheme.

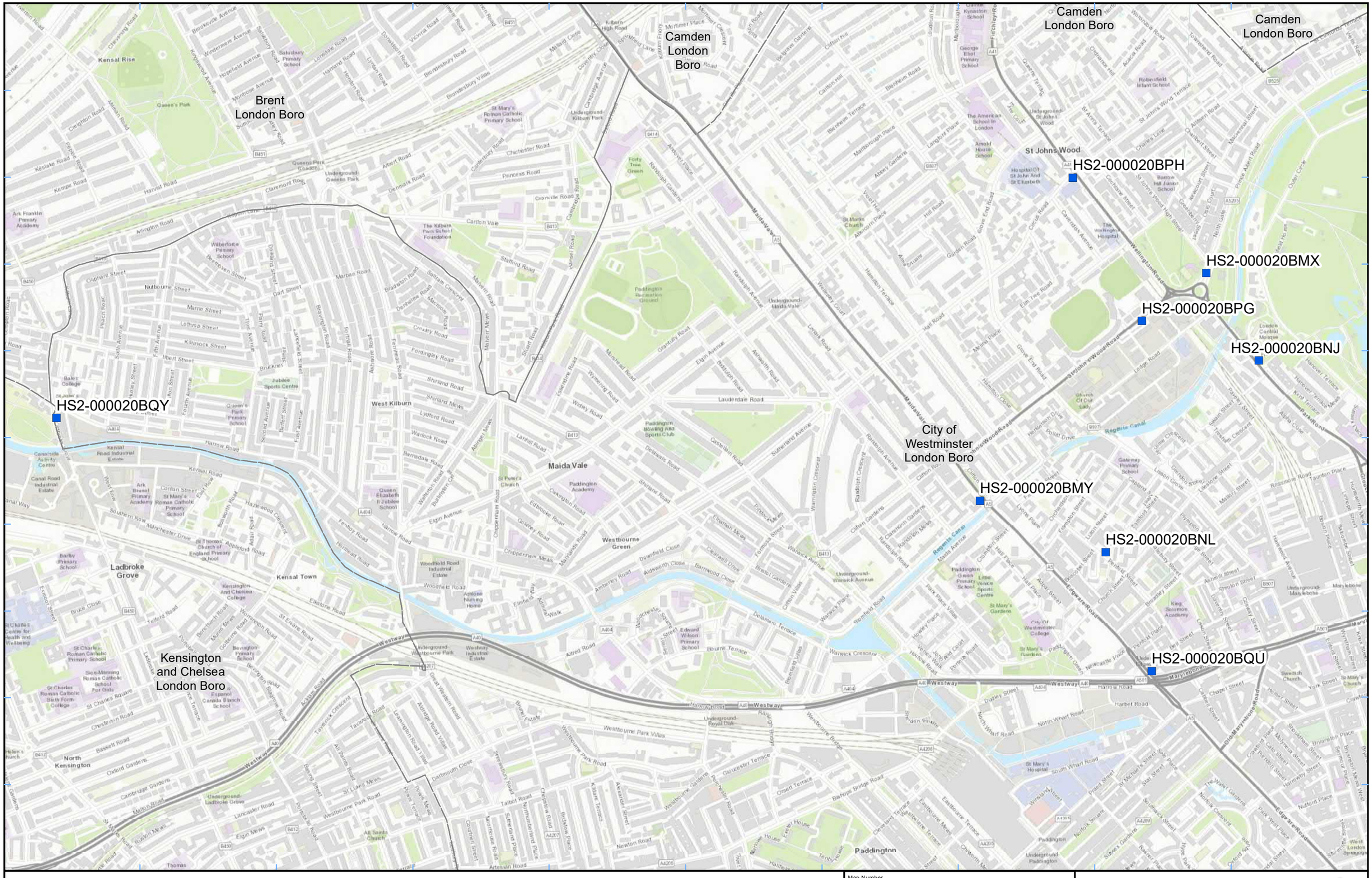
1.1.6 Diffusion tube monitoring results are provided from the laboratory analysis, and therefore still require various analysis and adjustments to be undertaken. Final corrected results will be presented and described in the annual report. However, based on the results to date, no unexpected values were recorded during the monitoring period.

1.1.7 NO_2 monitoring locations and results are presented in Appendix B, Table 1, together with the 2024 running mean.

1.1.8 There were no (0) complaints received during this reporting period (December 2024).

Appendix A –Monitoring Locations

Figures 1 and 2: Current monitoring locations within the CoW



Legend

- Diffusion Tube
- District Borough Unitary Boundaries

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Map Number

Map Name

Monitoring Locations In CoW (Sheet 1)

City of Westminster

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Scale at A3: 1:10,000

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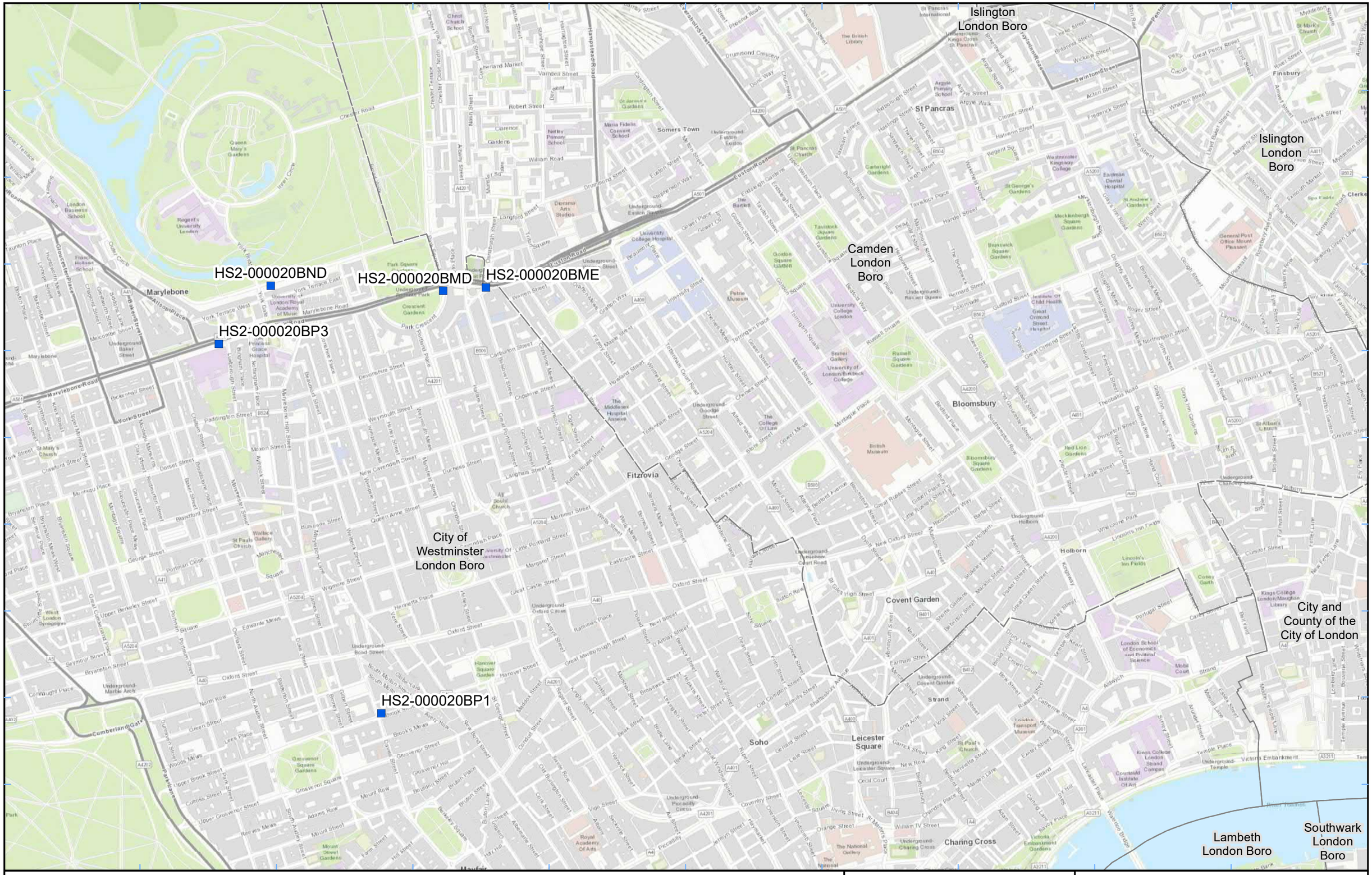
Doc Number:

Date: 03/03/21



Legend

- Diffusion Tube
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Map Number

Map Name

Monitoring Locations In CoW (Sheet 2)

City of Westminster

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Appendix B – Air Quality Monitoring Results

Table 1: NO_2 monitoring locations around highways, NO_2 concentrations and monthly monitoring results with running mean for 2024 (µg/m^3)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean[1] [2]
HS2-000020BMD	Lamp post on Park Crescent Road	528776, 182170	36	41	42	35	39	40	36	32	41	43	18		37
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	45	Tube Missing	50	50	55	51	50	49	61	54	50		51
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	41	36	33	24	31	25	26	30	26	33	22		30
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	43	36	31	29	36	34	14	30	34	35	23		31
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	Tube Missing	Tube Missing	24	16	19	Tube Missing	17	19	16	40	30		23
HS2-000020BNJ	Light post on Park Road	527359, 182633	41	39	28	32	34	33	32	35	32	38	39		35

[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.

[2] The annual mean for diffusion tubes presented in the table above still require various analysis and adjustments to be undertaken before comparison to the Air Quality Objectives. The final corrected annual mean will be presented in the HS2 Annual Air Quality Report.

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean[1] [2]
HS2-000020BNL	Lamp post on Penfold Street	526914, 182077	33	33	25	19	22	21	20	21	23	30	Tube Missing		25
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	Tube Missing	27	36	30	36	30	29	Tube Missing	Tube Missing	42	52		35
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	28	32	27	20	24	18	18	16	Tube Missing	29	35		25
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	37	No data	32	24	24	26	Tube Missing	26	28	32	Tube Missing		26
HS2-000020BQU	Lamppost outside Edgware Road Station	527048, 181731	50	44	39	39	50	41	23	39	51	42	Tube Missing		38
HS2-000020BQY	Sign post on Ladbroke Grove	523867, 182466	39	Tube Missing	32	32	41	30	30	30	42	44	32		35
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	47	51	40	36	41	40	37	41	36	40	45		41