

Air Quality and Dust Monitoring Monthly Report – March 2025

London Borough of Camden



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 and dust monitoring undertaken in the London Borough of Camden (LBC) during February and March 2025 respectively.
- 1.1.2 Figure 1 to Figure 5 in Appendix A present the current worksites together with air quality and dust 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 The current worksites, as presented in Appendix A, Figure 1 to Figure 5, include:

Skanska Costain Strabag Joint Venture (SCSjv)

Adelaide Road Vent Shaft

- Works currently paused until April 2027.

Euston Scissor Cut

- Limited groundworks;
- Concrete works; and
- Materials management.

Euston Throat Retained Cut

- Limited groundworks;
- Concrete works; and
- Materials management.

Hampstead Road Bridge

- Utilities diversion works.

Euston Cavern

- Limited groundworks;
- Concrete works; and
- Materials management.

Mace Dragados Joint Venture (MDjv)

Balfour's completed works

- DC/CRR/LM cabling completed from TSS to BoH;
- Permanent lighting energised throughout TSS;
- Ongoing pre-commissioning works on TSS plant; and
- Successful QICC Inspections.

McGees Works

- Commenced waterproofing works to shaft slab.

Delatim

- Installed fire doors;
- Continued with snagging works;
- Stair 1 snagging completed; and
- Core holes drilled.

Wingate

- Re-routing cables and maintenance works.

GKR

- Scaffolding Tracker works.

Clipfine

- Assisting contractors with movement of materials in the main yard
- Infilling holes, making good concrete walls
- Continued with wall painting snagging works (throughout the box)
- General housekeeping (various locations)
- Protection of completed assets (floors and doors)
- Various carpentry works. Shuttering for firestopping
- Assisted lifting operations via access hatches (carried out by Plant Movement).

MF building

- Internal snagging and remedial works.

MF Old School

- TEP completed and handed over
- Stairwell 1 lights and fire alarm fitted
- Windows without props in, the reveals and sills are made good ready for window boards
- Progress being made to making good of brickwork walls on ground floor
- Sub-station foundation completed
- Scrapping of lead paint completed to ground, first, and second floor, except toilets and canteen

- Soffits painted on ground floor
- Fire doors fitted to stairwells 1 & 2.

Zone 5

- SCS compound for plant operation training area
- Storage area.

Utilities

- Continued MH1 at Hampstead Road/Cardington Street excavation and secondary
- Diversion TW/pipework install
- MH1A excavation and tunnelling equipment install
- Existing sewer survey at Cardington Street
- Completed Cumberland Market – install 42' and 800mm water mains and backfill of both excavations
- Ongoing UKPN trench excavation at Cobourg Street and TSS area
- Completed Caisson 11 timber heading to existing sewer at Melton Street
- Eversholt Street – excavation, CCTV survey of gas main, and backfill. Location nr1 was completed, nr2 – ongoing.

Two Towers

- Storage area

Night shift activities at Euston St (internal - platforms/tunnels)

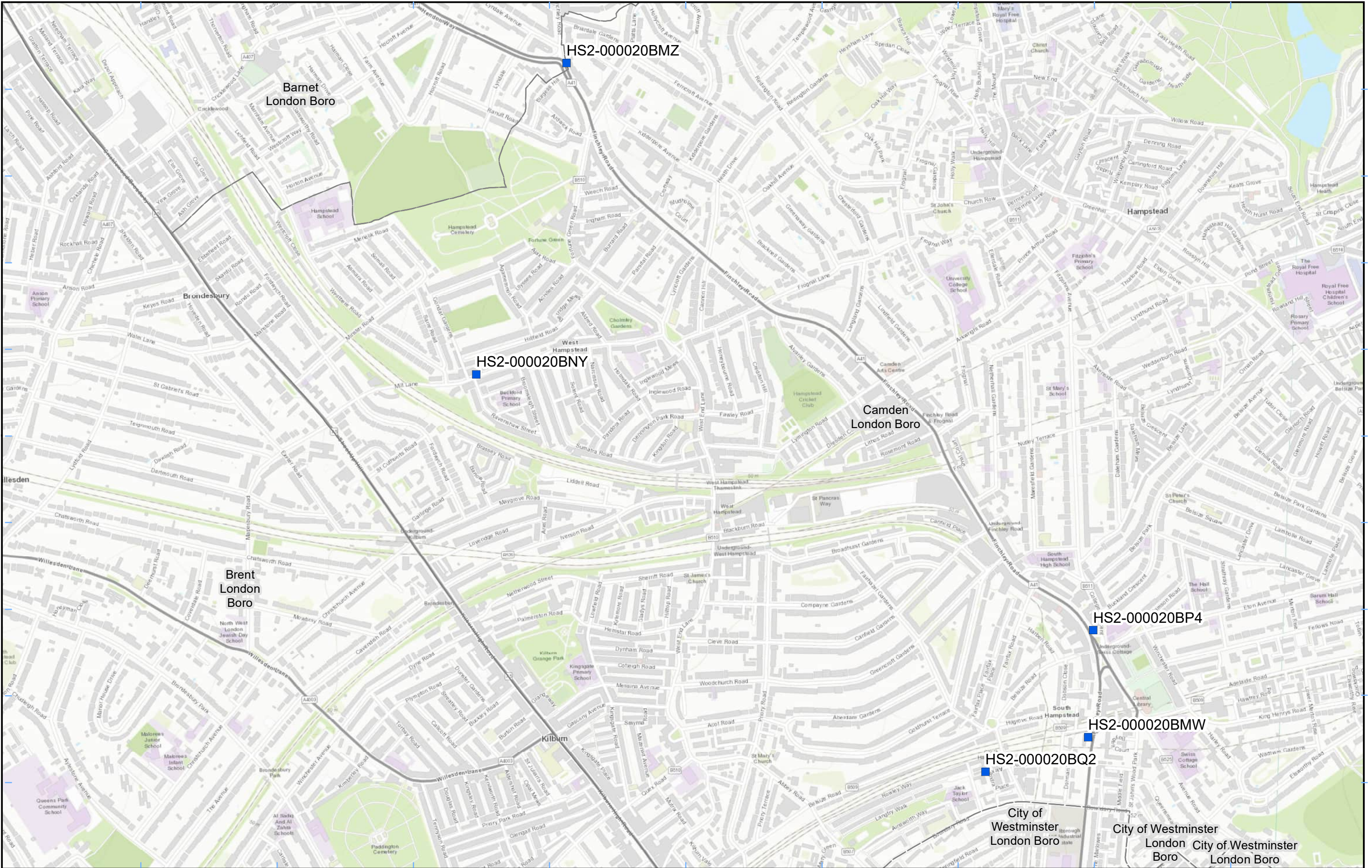
- Wingate – Continuation of CMS installation in BOH areas
- Hitachi – Continue installation of radio cables and associated equipment from TSS to Station locations

- 1.1.5 Twenty-Two (22) dust monitors are installed around these worksites, where works are underway. These sites returned a medium to high dust risk rating.
- 1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor in Figure 6. All continuous dust monitoring is undertaken using indicative monitors. Despite being Environment Agency (MCERTS) certified, indicative monitors carry a higher level of uncertainty than reference monitors, and therefore cannot be strictly compared with Air Quality Standards for human health and the environment. The purpose of the monitoring undertaken is to ensure the effectiveness of the on-site mitigation.
- 1.1.7 The trigger level for PM₁₀ concentrations of 190 µg/m³, over a 1-hour period, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.
- 1.1.8 Details of the trigger alerts investigations and remediations are presented in Appendix B, Table 2.

- 1.1.9 Data capture was below 90% for AQ005 monitor due to an unknown technical fault with the unit. It has not been possible to fix the fault remotely and therefore a site visit has been scheduled to resolve this.
- 1.1.10 Diffusion tube monitoring of Nitrogen Dioxide (NO₂) is undertaken at sixty-four (64) locations around highways within the LBC as part of the management of air quality where significant effects may occur as a result of the scheme.
- 1.1.11 Diffusion tube monitoring results are as 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.
- 1.1.12 NO₂ monitoring locations and results are presented in Appendix C, Table 3, together with the 2025 running mean.
- 1.1.13 There were no (0) complaints received during the reporting period (March 2025).

Appendix A – Worksites and Monitoring Locations

Figure 1 to Figure 5: Worksites and monitoring locations within the LBC



Legend

■ Diffusion Tube

□ District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations
In LBC (Sheet 1)

London Borough of Camden

hs2

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Scale at A3: 1:10,000

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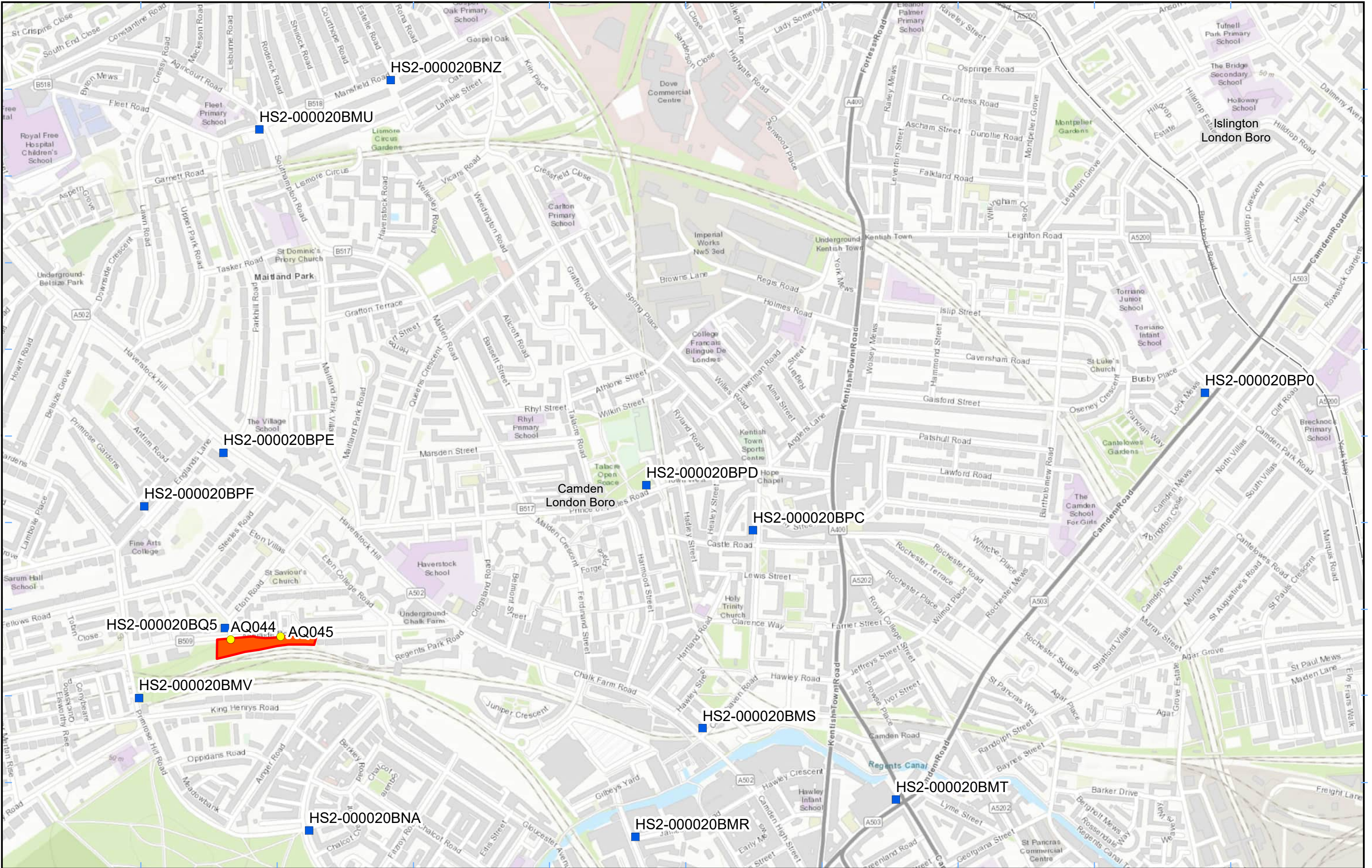
Doc Number:

Date: 25/10/22

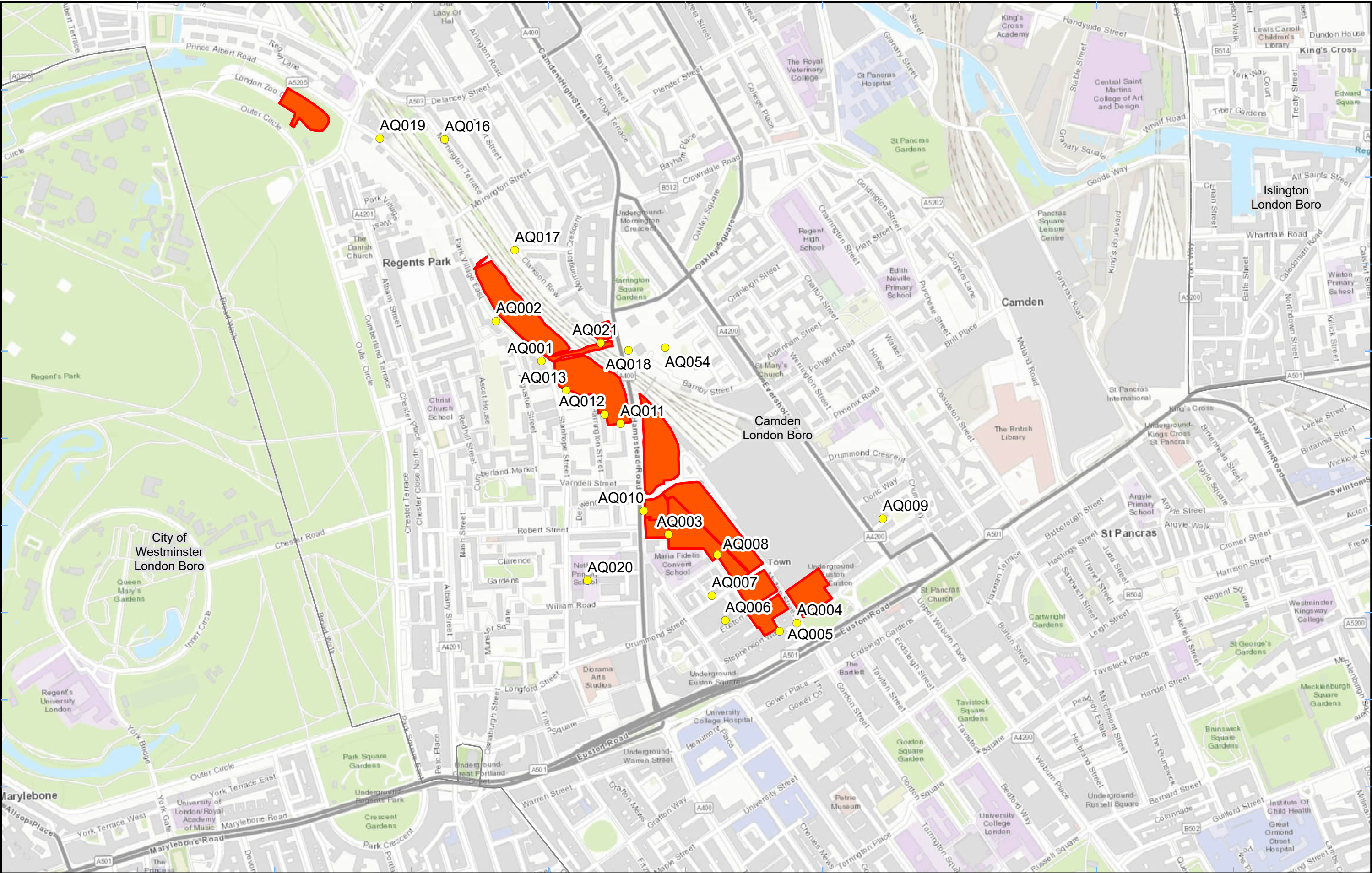
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<p>Legend</p> <ul style="list-style-type: none">■ Diffusion Tube● Dust Monitor■ Worksite□ District Borough Unitary Boundaries <p>Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community</p>	<p>Map Number</p> <p>Map Name</p> <p>Worksite and Monitoring Locations In LBC (Sheet 2)</p> <p>London Borough of Camden</p>	<div><p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</p><p>Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.</p><p>© Crown copyright and database rights 2022. Ordnance Survey Licence Number 100049190.</p><p>Doc Number:</p></div> <div><p>Scale at A3: 1:7,000</p><p>0 70 140 210 280 Metres</p><p>Date: 25/10/22</p></div>
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Legend

Dust Monitor District Borough Unitary Boundaries

Worksite

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

**Worksite & Monitoring Locations
In LBC (Sheet 3)**

London Borough of Camden



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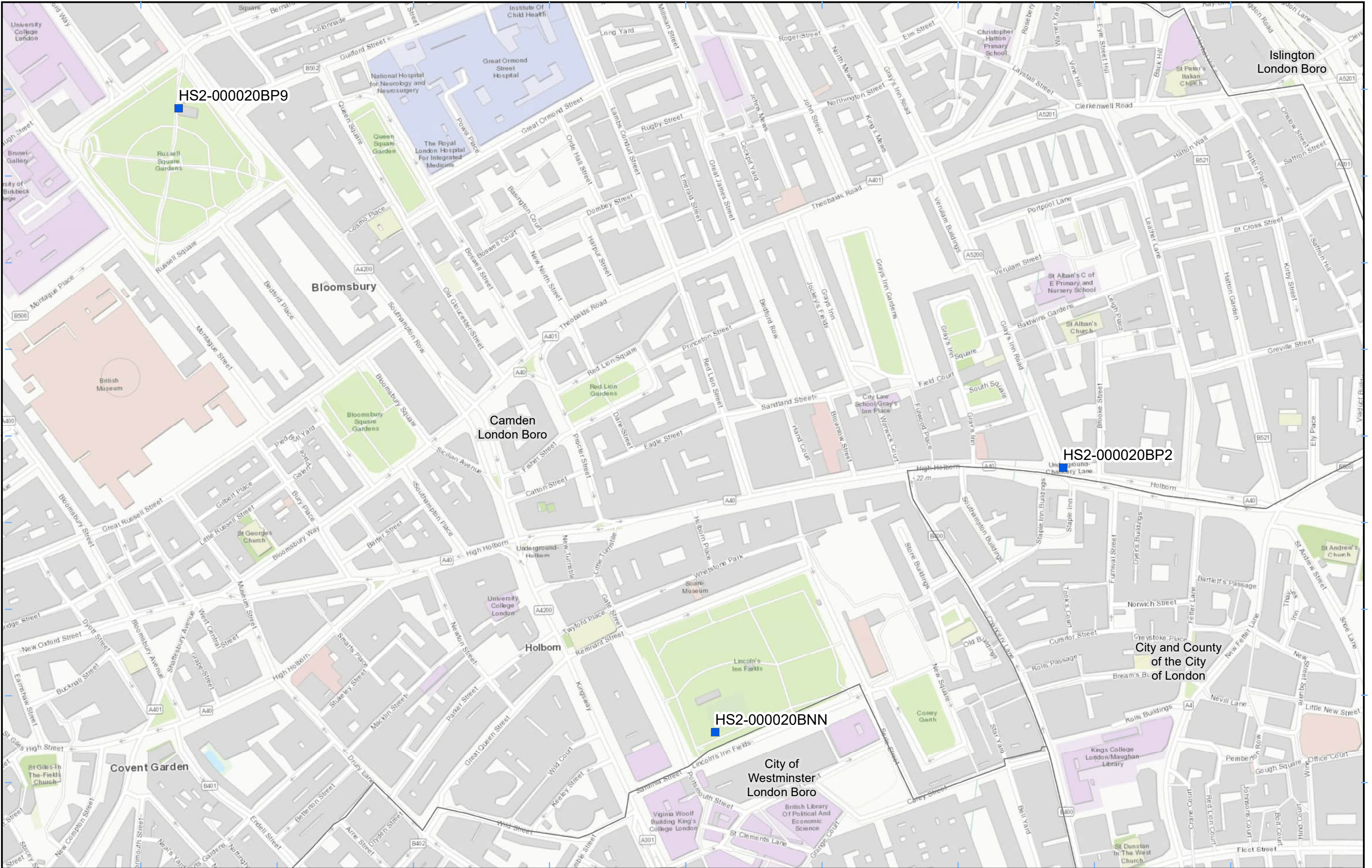
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Date: 18/05/23



Legend <div><div></div> Diffusion Tube</div> <div><div></div> District Borough Unitary Boundaries</div>	Map Number	<div><div>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</div><div></div><div>Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.</div><div>Scale at A3: 1:4,000</div><div><div><div></div><div>0</div><div>40</div><div>80</div><div>120</div><div>160</div></div><div>Metres</div></div><div>© Crown copyright and database rights 2022. Ordnance Survey Licence Number 100049190.</div><div>Doc Number:</div></div>
	Map Name	
	Worksite and Monitoring Locations In LBC (Sheet 5)	
	London Borough of Camden	Date: 25/10/22

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

Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

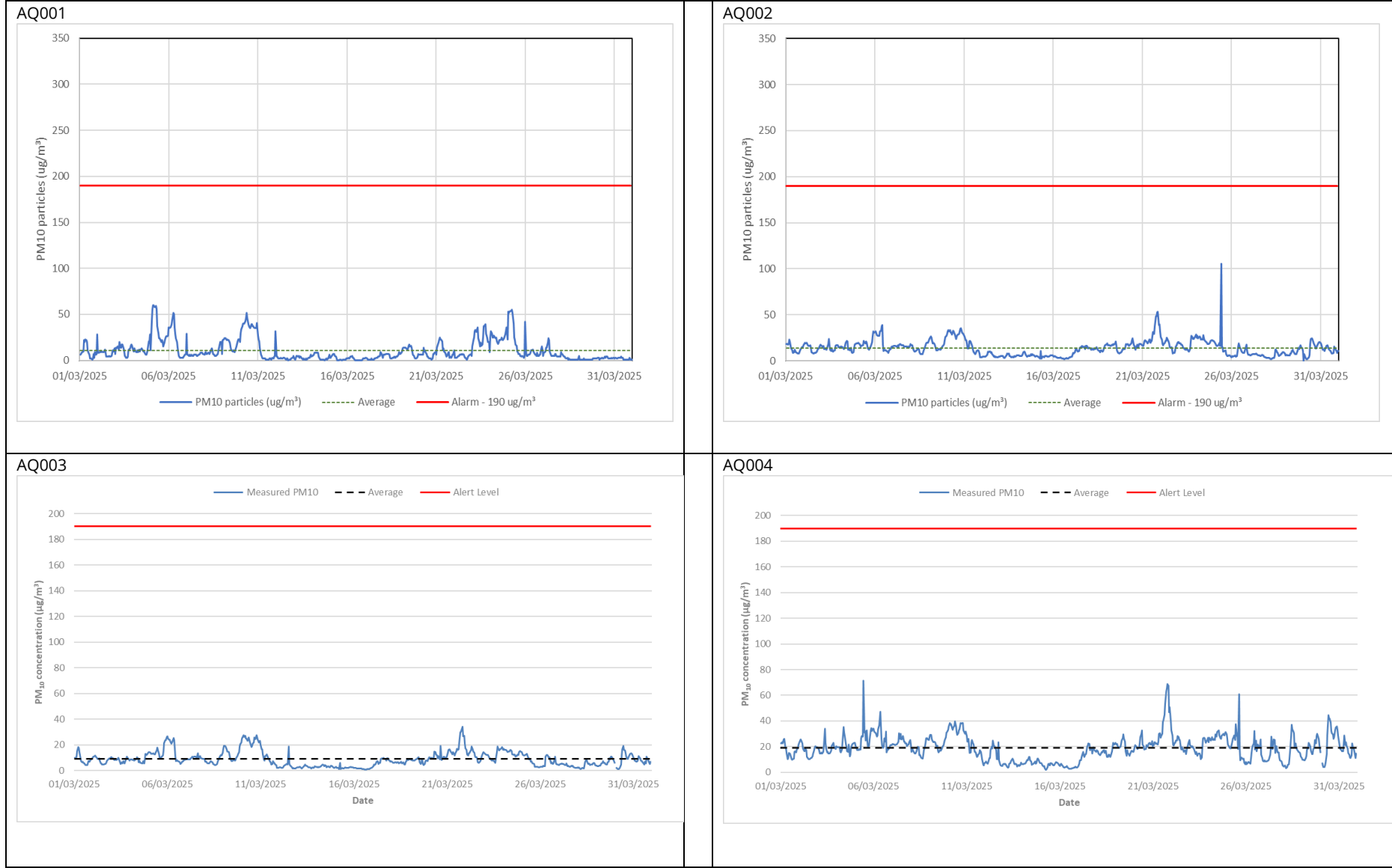
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1- hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
AQ001	529016, 183049	Junction of Park Village East, Stanhope Street and Granby Terrace	M	Yes	N	10.8	1.0	60.0	0	97.8
AQ002	528924, 183130	Park Village East	M	Yes	N	14.0	1.7	105.7	0	99.9
AQ003	529273, 182698	St James' Gardens	M	Yes	N/A	9.0	1.0	34.3	0	99.9
AQ004	529533, 182519	Melton Street	H	Yes	N/A	18.9	1.7	71.3	0	99.9
AQ005	529498, 182502	Stephenson Way	H	Yes	N/A	19.7	9.9	38.8	0	3.2
AQ006	529388, 182524	Euston Street	H	Yes	N/A	13.4	1.8	54.2	0	99.9
AQ007	529361, 182574	Drummond Street	H	Yes	N/A	11.8	1.4	44.7	0	99.9
AQ008	529372, 182657	Cobourg Street	H	Yes	N/A	17.4	1.9	112.5	0	99.9
AQ009	529707, 182730	Eversholt Street	H	Yes	N/A	38.4	5.5	496.8	3	99.9
AQ010	529223, 182746	Hampstead Road South	M	Yes	N/A	23.7	2.8	176.0	0	99.9
AQ011	529176, 182922	Hampstead Road	M	Yes	N	15.4	2.0	74.1	0	99.9

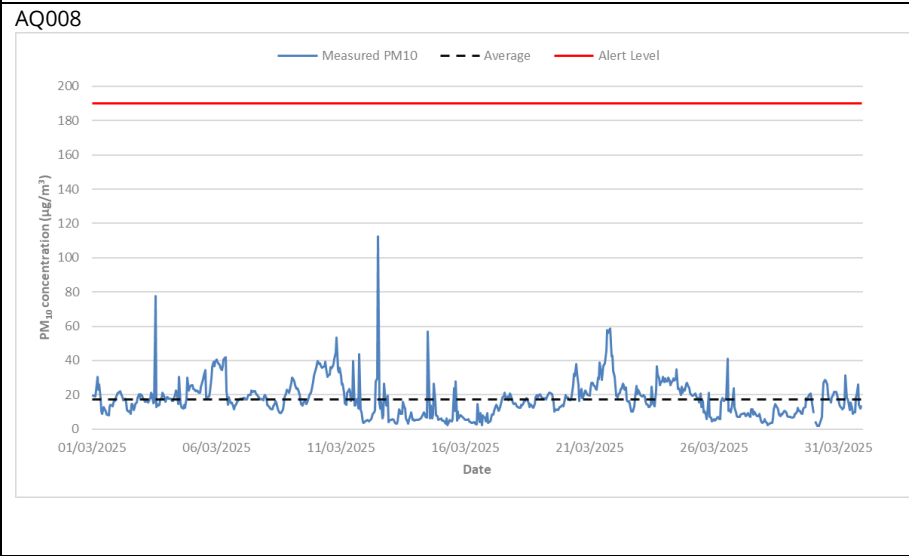
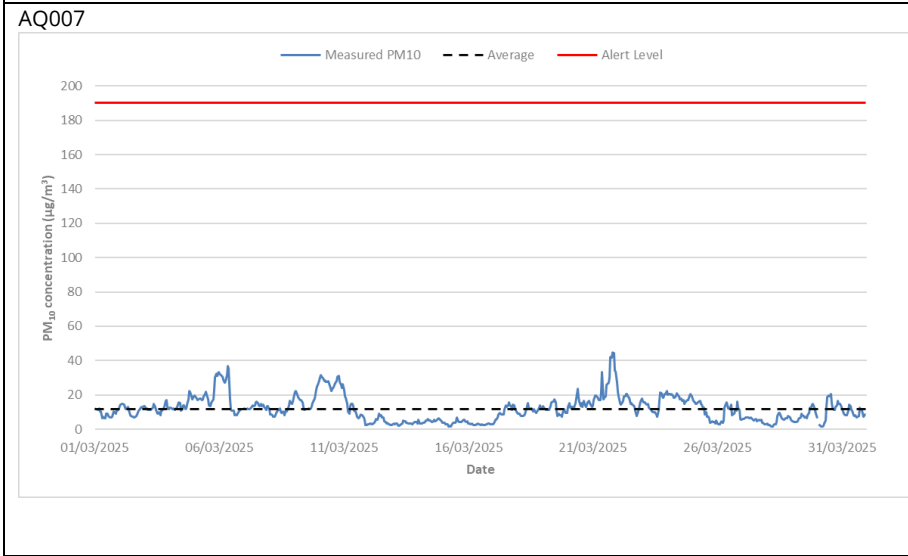
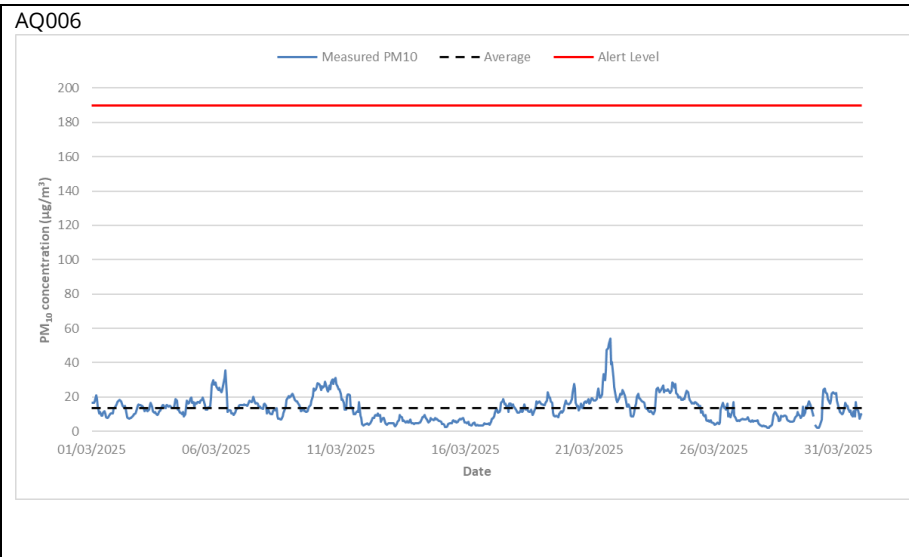
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AQ012	529144, 182941	Rear of Coniston House	M	Yes	N	14.8	1.8	78.3	0	99.9
AQ013	529066, 182990	Regents Park Estate	M	Yes	N	13.6	1.8	50.5	0	99.9
AQ016	528820, 183498	Mornington Terrace North	M	Yes	N	13.7	1.7	48.6	0	99.9
AQ017	528962, 183274	Mornington Terrace South	M	Yes	N	11.8	1.5	47.1	0	99.7
AQ018	529192, 183071	Hampstead Road North	M	Yes	N	13.4	1.5	47.6	0	99.9
AQ019	528689, 183500	Park Village East (North)	M	Yes	N	10.5	1.1	43.1	0	99.9
AQ020	529109, 182605	Netley School	N/A	Yes	N/A	13.3	1.6	46.7	0	99.9
AQ021	529136, 183086	Site compound at the Junction of Hampstead Road & Granby Terrace Bridge	M	Yes	N	15.5	1.9	53.5	0	99.9
AQ044	527725, 184369	Adelaide Road 1	M	Yes	N	19.4	2.1	70.1	0	99.9
AQ045	527826, 184375	Adelaide Road 2	M	Yes	N	14.6	1.7	52.6	0	99.9
AQ054	529266, 183076	Amphill Estate, Hampstead Road	M	Yes	N	24.5	2.6	114.0	0	99.9

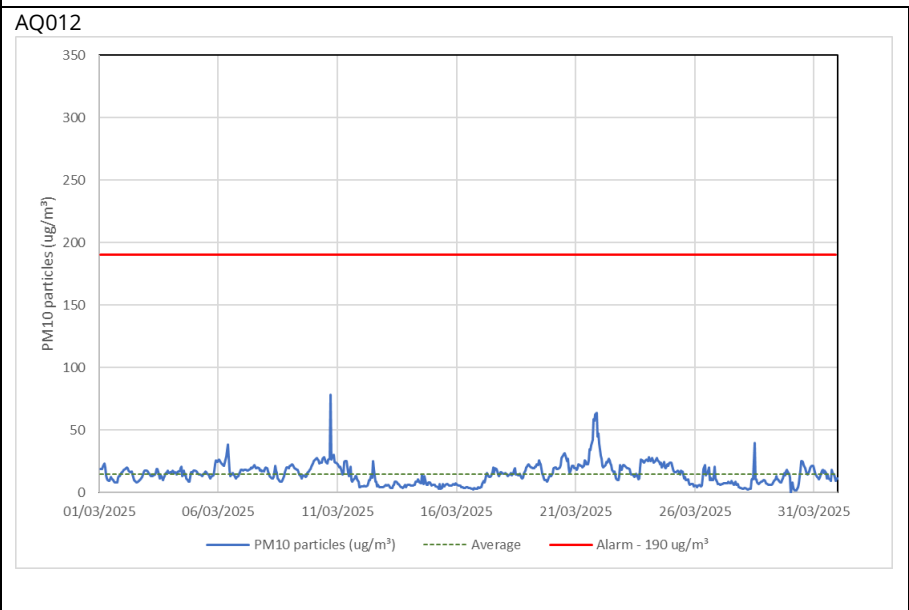
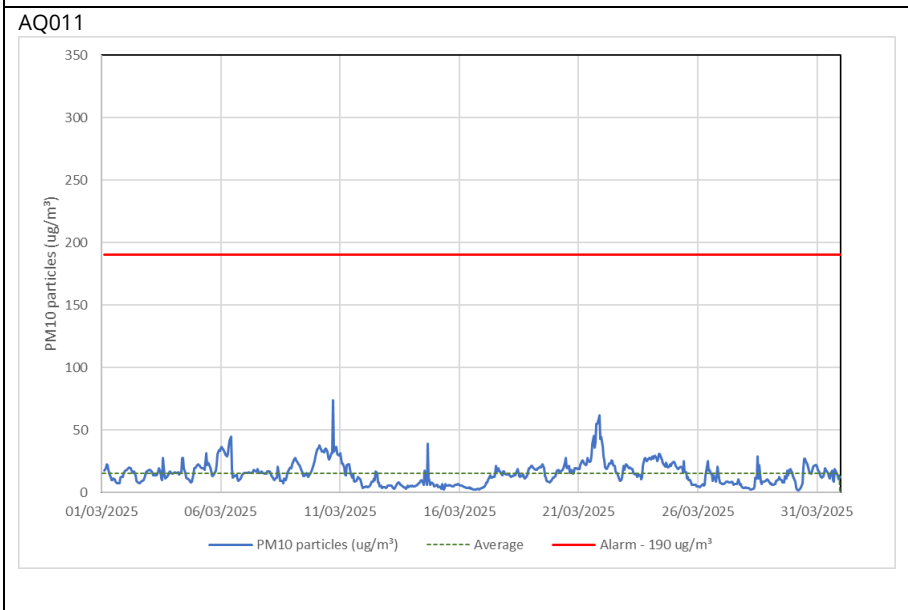
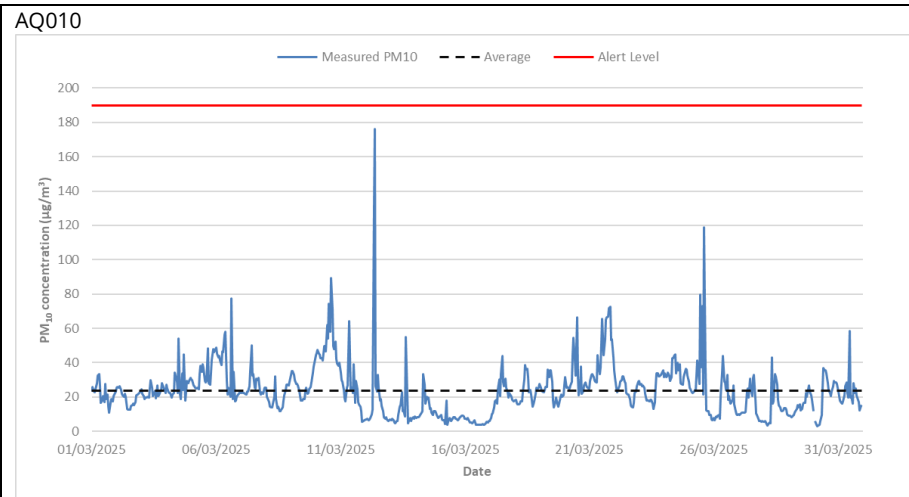
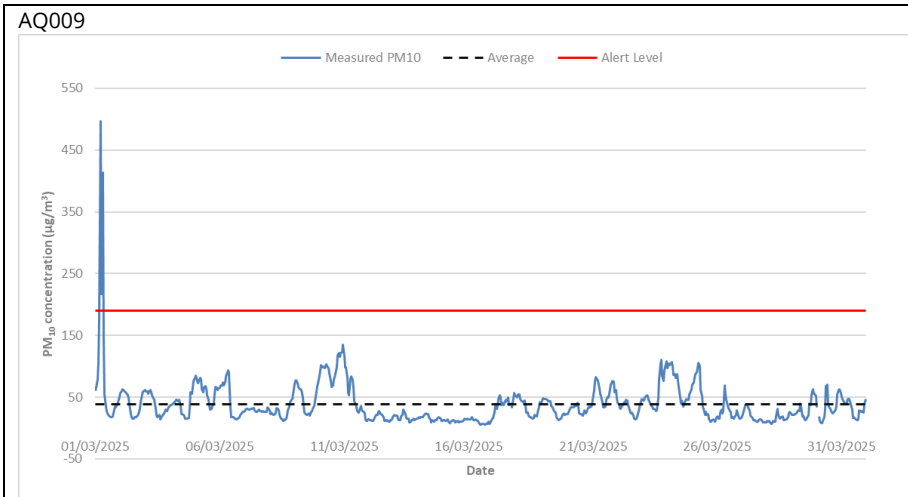
Table 2: Summary of exceedances during period (March 2025)

Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
AQ009	01/03/2025 04:01 – 05:00; 496.8 µg/m ³ 05:01 – 06:00; 217.3 µg/m ³ 06:01 – 07:00; 413.6 µg/m ³	There were no HS2 works or vehicle/ machine movements related to HS2 occurring in the vicinity of this unit during the period where the trigger level was exceeded.	MDJV will continue to ensure all the activities being undertaken have appropriate mitigation measures applied (in line with the CoCP). Any further exceedances at this monitor will continue to be investigated to confirm whether the exceedance is caused by HS2 activities.

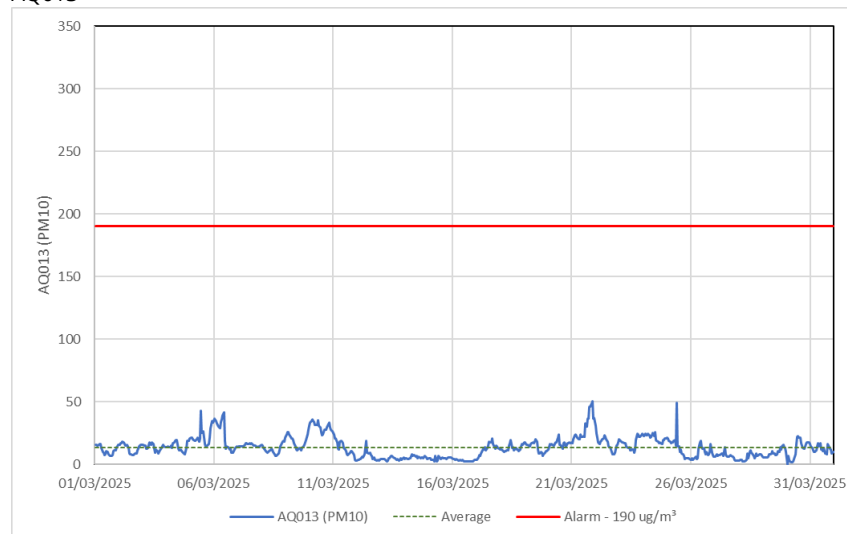
Figure 6: Construction dust 1-hour mean indicative PM₁₀ concentration for all dust monitors



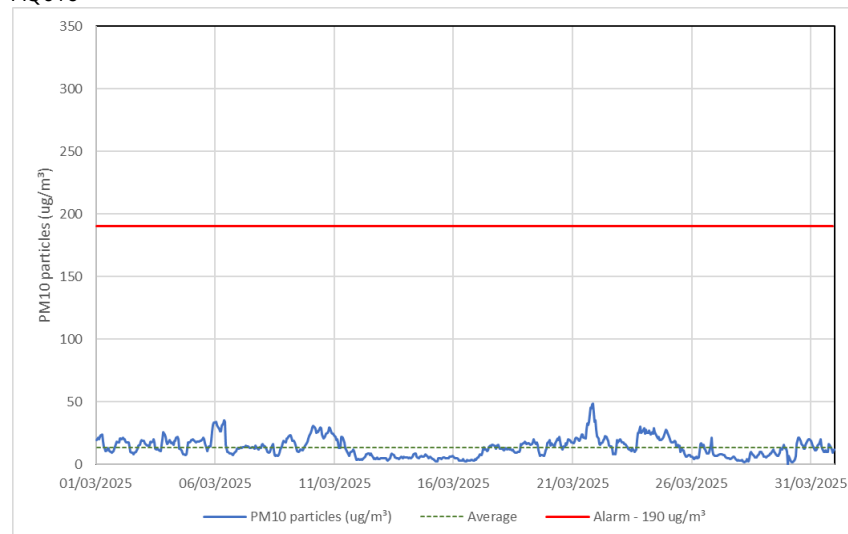




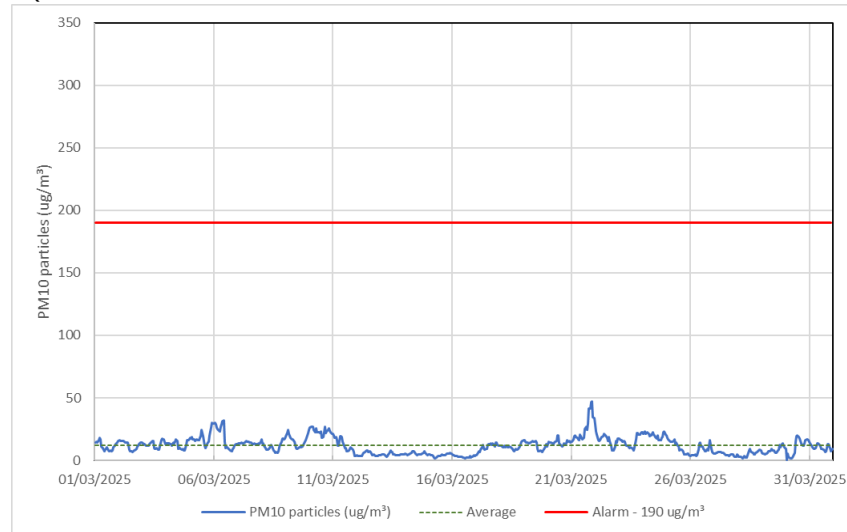
AQ013



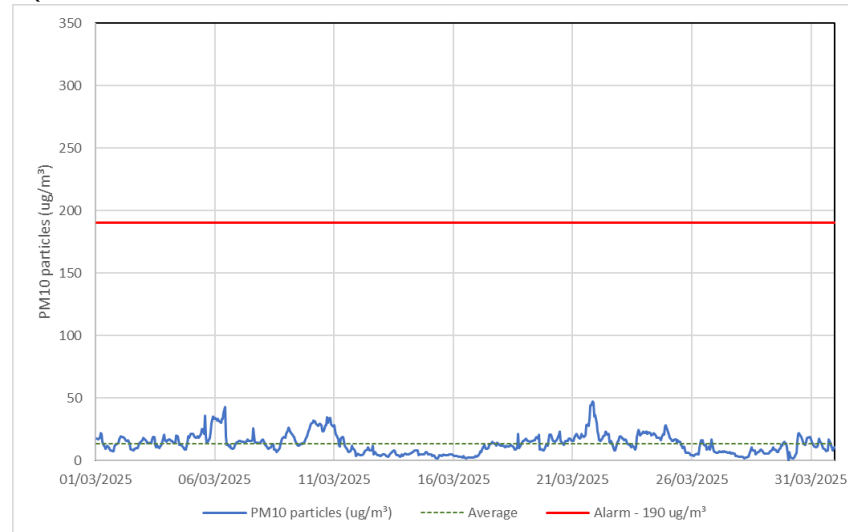
AQ016



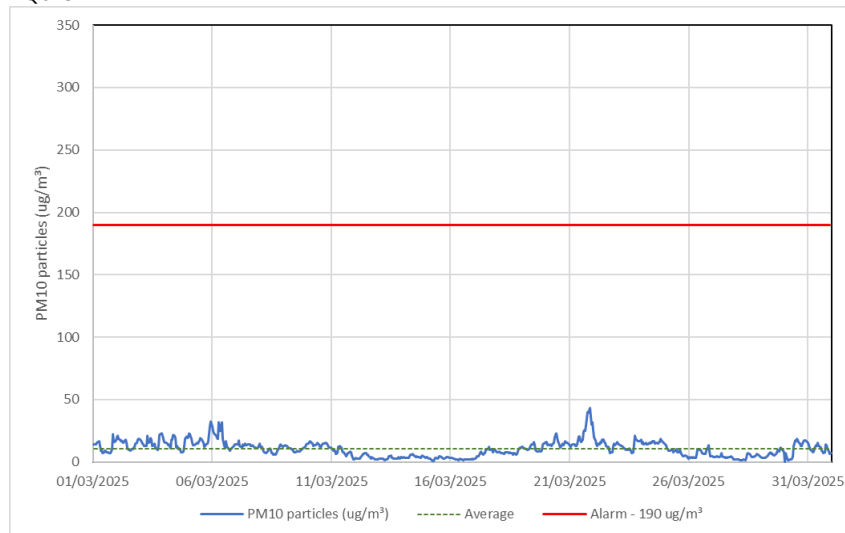
AQ017



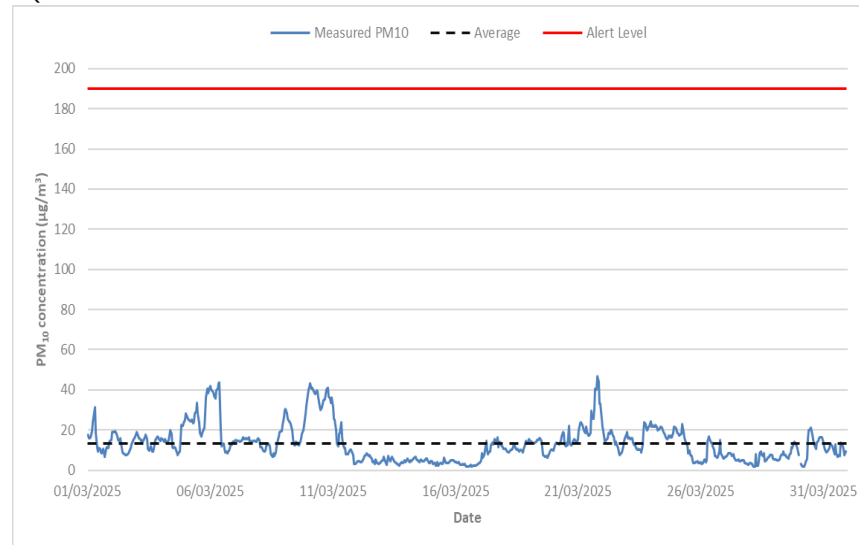
AQ018



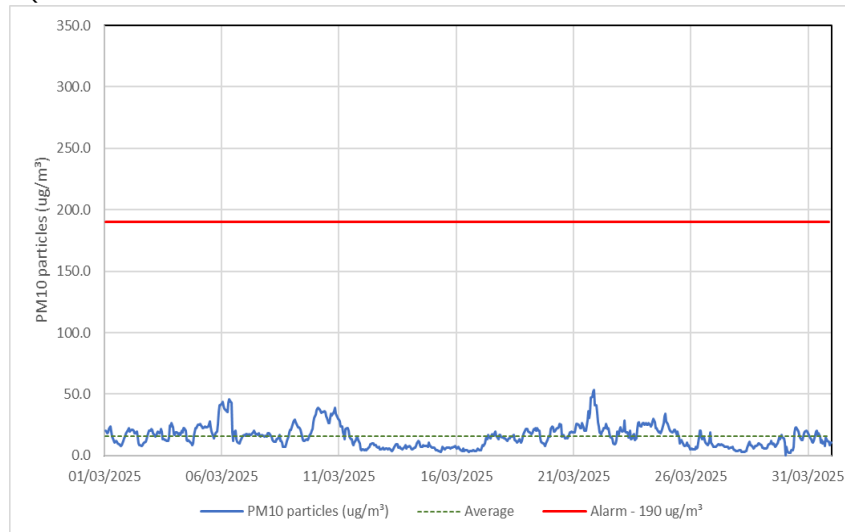
AQ019



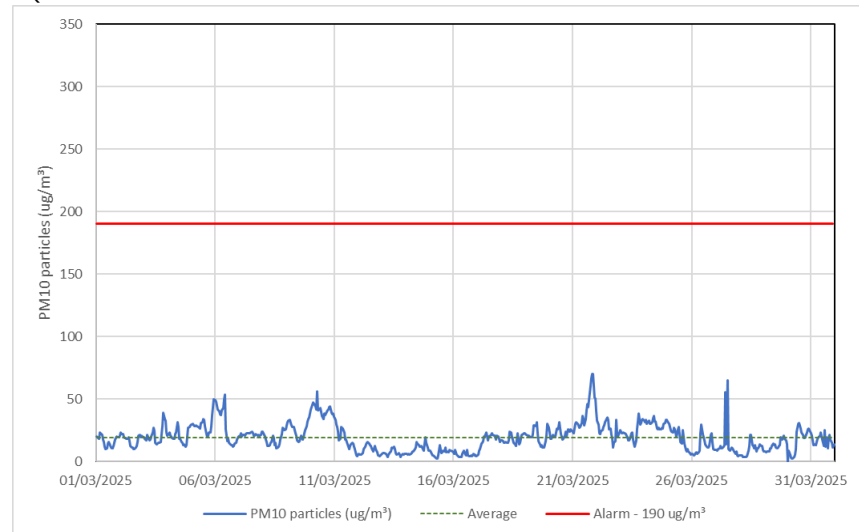
AQ020



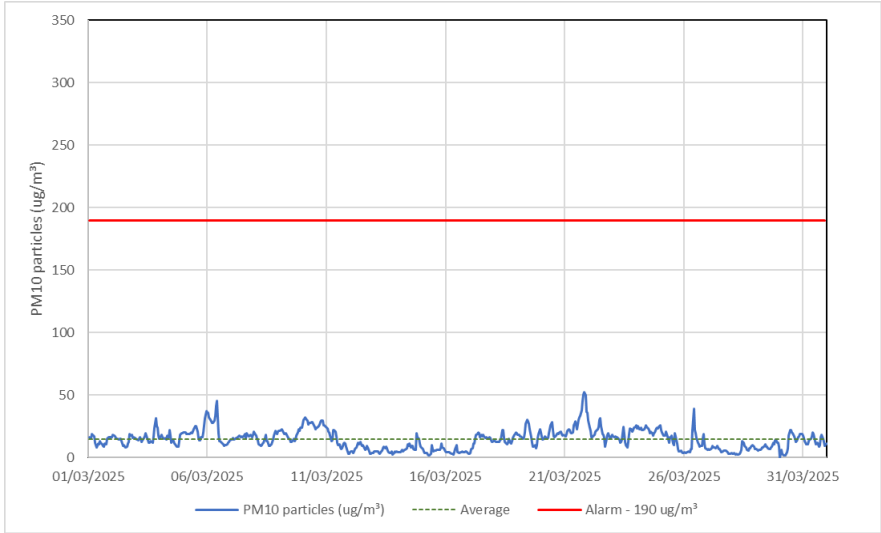
AQ021



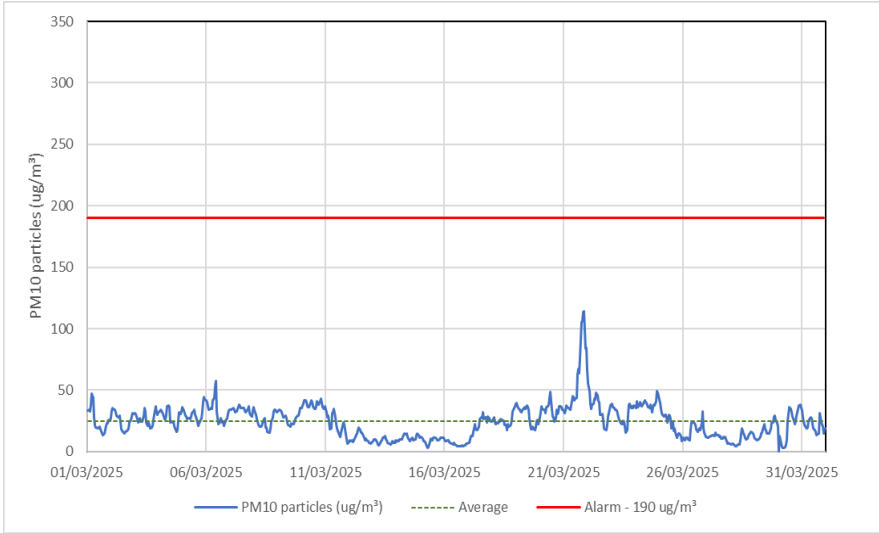
AQ044



AQ045



AQ054



Appendix C – Air Quality Monitoring Results

Table 3: NO₂ monitoring locations around highways, NO₂ concentrations and monthly monitoring results with running mean for 2025 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BM5	Junction of St Chad's Street and Grays Inn Road	530436, 182929	27	28											27
HS2-000020BM7	Chalton Street	529894, 182702	47	41											44
HS2-000020BM8	Junction of Euston Square and Grafton Place	529737, 182641	Tube Missing	46											46
HS2-000020BM9	Junction of Endsleigh Gardens and Upper Woburn Place	529785, 182529	45	35											40
HS2-000020BMA	Junction of Euston Road and Gower Street	529429, 182375	14	45											30
HS2-000020BMB	Whitfield Street	529273, 182114	28	42											35
HS2-000020BMC	Hampstead Road	529232, 182511	54	38											46
HS2-000020BMF	Junction of Polygon Road and Ossulston Street	529715, 183123	35	29											32

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 ¹²
HS2-000020BMH	Nash Street	528861, 182717	31	14											23
HS2-000020BMJ	Junction on Robert Street and Stanhope Street	529080, 182698	36	37											37
HS2-000020BMK	Junction of Plender Street and Bayham Street	529196, 183546	48	Tube Missing											48
HS2-000020BML	Junction of Arlington Road and Mornington Crescent	529093, 183356	35	32											34
HS2-000020BMM	Junction of Bayham Street and Pratt Street	529084, 183722	42	31											36
HS2-000020BMN	Junction of Delancey Street and Albert Street	528850, 183573	35	31											33
HS2-000020BMQ	Junction of Parkway and Delancey Street	528662, 183604	51	38											45
HS2-000020BMR	Junction of Oval Road and Jamestown Road	528548, 183967	32	Erroneous Data											32
HS2-000020BMS	Junction of Chalk Farm Road and Castlehaven Road	528685, 184188	44	34											39
HS2-000020BMT	Junction of Camden Road and Camden Street	529079, 184043	44	39											41
HS2-000020BMU	Junction of Southampton Road and Fleet Road	527783, 185407	41	35											38

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BMV	Primrose Hill Road	527538, 184250	38	28											33
HS2-000020BMW	Junction of Finchley Road and Hilgrove Road	526619, 184081	48	39											44
HS2-000020BMZ	Junction of Finchley Road and Hendon Way	525102, 186042	58	62											60
HS2-000020BNA	Junction of Regent's Park Road and Rothwell Street	527884, 183980	16	27											21
HS2-000020BNC	Junction of Outer Circle and Gloucester Gate	528528, 183443	29	24											27
HS2-000020BNH	Junction of Parkway and Albert Street	528763, 183720	39	33											36
HS2-000020BNN	Lincoln's Inn Fields	530744, 181308	35	19											27
HS2-000020BNQ	Camley Street	529735, 183737	45	33											39
HS2-000020BNY	Junction of Mill Lane and Hillfield Road	524839, 185136	39	36											37
HS2-000020BNZ	Mansfield Road	528050, 185508	Tube Missing	26											26
HS2-000020BP0	Junction of Camden Road and Torriano Avenue	529708, 184871	29	37											33
HS2-000020BP2	Junction of Grays Inn Road and Holborn	531149, 181616	50	34											42

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BPB	Camden High Street	528966, 183735	44	43											44
HS2-000020BPC	Castlehaven Road	528788, 184591	37	31											34
HS2-000020BPD	Prince of Wales Road	528571, 184683	29	31											30
HS2-000020BPE	Haverstock Hill	527710, 184749	43	28											35
HS2-000020BPF	Junction of Primrose Gardens and England's Lane	527549, 184640	24	33											29
HS2-000020BPU	Junction of Gower Street and Grafton Way	529476, 182267	45	47											46
HS2-000020BPW	Junction of Delancey Street and Arlington Road	528939, 183637	36	36											36
HS2-000020BPX	Netley Street	529177, 182625	19	33											26
HS2-000020BPY	Stanhope Street	529060, 182947	33	23											28
HS2-000020BPZ	Albany Street	528790, 182923	36	30											33
HS2-000020BQ0	Werrington Street	529493, 183113	35	34											34
HS2-000020BQ1	Polygon Road	529574, 183045	36	26											31
HS2-000020BQ2	Alexandra Place	526320, 183980	28	27											27
HS2-000020BQ3	Harrington Square	529228, 183172	39	30											35
HS2-000020BQ4	Junction of North Gower Street and Starcross Street	529290, 182572	37	35											36

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BQ5	Adelaide Road	527713, 184392	40	32											36
HS2-000020BQ6	Mornington Terrace	528836, 183474	32	28											30
HS2-000020BQ7	Arlington Road	529009, 183479	35	4											20
HS2-000020BQ8	Clarkson Row	529024, 183213	34	Tube Missing											34
HS2-000020BQ9	Park Village East	528923, 183121	1	33											17
HS2-000020BQA	Eversholt Street	529386, 183132	46	38											42
HS2-000020BQB	Junction of Harrington Street and Varndell Street	529147, 182816	35	32											33
HS2-000020BQC	Junction of Robert Street and Hampstead Road	529199, 182704	41	43											42
HS2-000020BQD	Drummond Crescent	529648, 182856	40	21											31
HS2-000020BQJ	Grafton Way	529380, 182225	50	33											42
HS2-000020BQL	Delancey Street	528768, 183581	40	27											33
HS2-000020BQR	Lamp post on Park Village East	528682, 183505	36	30											33
HS2-000020BQS	Opposite Maria fidelis school on Phoenix Road	529670, 182982	16	23											19
HS2-000020BQT	Drummond Street	529385, 182581	29	33											31
HS2-000020BQX	Lamp post on Brunswick Square	530344, 182236	39	33											36

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BP4	Triplicate site on Finchley Road next to Swiss Cottage kerbside automatic monitoring station	526633, 184392	40	28											34
HS2-000020BP5	Triplicate site next to the Euston Road roadside automatic monitoring stations	529895, 182657	48	45											46
HS2-000020BP9	Triplicate site in Russell Square next to Bloomsbury urban background automatic monitoring station	530120, 182034	40	34											37