

Air Quality and Dust Monitoring Monthly Report – February 2025

London Borough of Camden



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.

High Speed Two (HS2) Limited,
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

A report prepared by EWCs and MWCCs on behalf of HS2 Ltd.

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2025, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v2.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/2 **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



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 January 2025 and February 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 2025.

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 concrete;
- Groundworks; and
- Materials management.

Mace Dragados Joint Venture (MDjv)

Delatim

- Stairs 1 and 2: installing pipe shrouds on stairs
- Installing "D" ring handrails to walls around floor access hatches
- Door alarm installation to various fire doors
- GF, L1, L2 (north) Balfour Rooms: Snagging green walkways painted on the floors
- B1-10: Kemwell and fire stopping works
- L1-01: Decoration works to the soffit of the Mess Room
- B1, B3: Painted yellow threshold under the doors before entering switchrooms
- Fire stopping floor penetrations: fire stopping L2-L1 slab under transformer rectifiers units. Carrying out snagging & mastic works
- Fire stopping around various services
- Various weekend works on Stair 2: snagging and painting on stair risers and treads
- Snagging and painting handrails
- Carried out various NOWRI to stairs and lobbies finishes.

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

- Final new window installed to TEP area, ground floor
- TEP corridor brickwork completed
- Whiterock wall covering installed in TEP area
- Kitchen cupboards installed in TEP area
- All M+E installation completed and T+C in TEP area
- Roller shutter and sliding main doors to TEP entrance installed
- Roofing works completed to TEP reception including coping stones
- Screeding operations to TEP area completed

- All carpentry works (doors, architraves, skirting and ironmongery) completed in TEP area
- Flooring finishes, (vinyl and carpet) installed to TEP area
- New sub-station foundation works commenced.

Zone 5

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

Two Towers

- Storage area.

Utilities project wide works

- Continued MH1 at Hampstead Road/Cardington Street excavation and Secondary Diversion pipework install (weekend and 12h extended x10 shifts)
- Cumberland Market – install 42' and 800mm watermain and backfill of both excavations
- Completed TSS combined trench backfill; installed water DI1000/250PE and 80mm gas pipes; 42' rider protection construction
- Ongoing UKPN trench excavation at Cobourg Street
- Works for commissioning of 4-point connection at Melton Street
- 42' water main pressure tests and remedial works
- Caisson 11 timber heading to existing sewer at Melton Street.

Night shift activities at Euston St

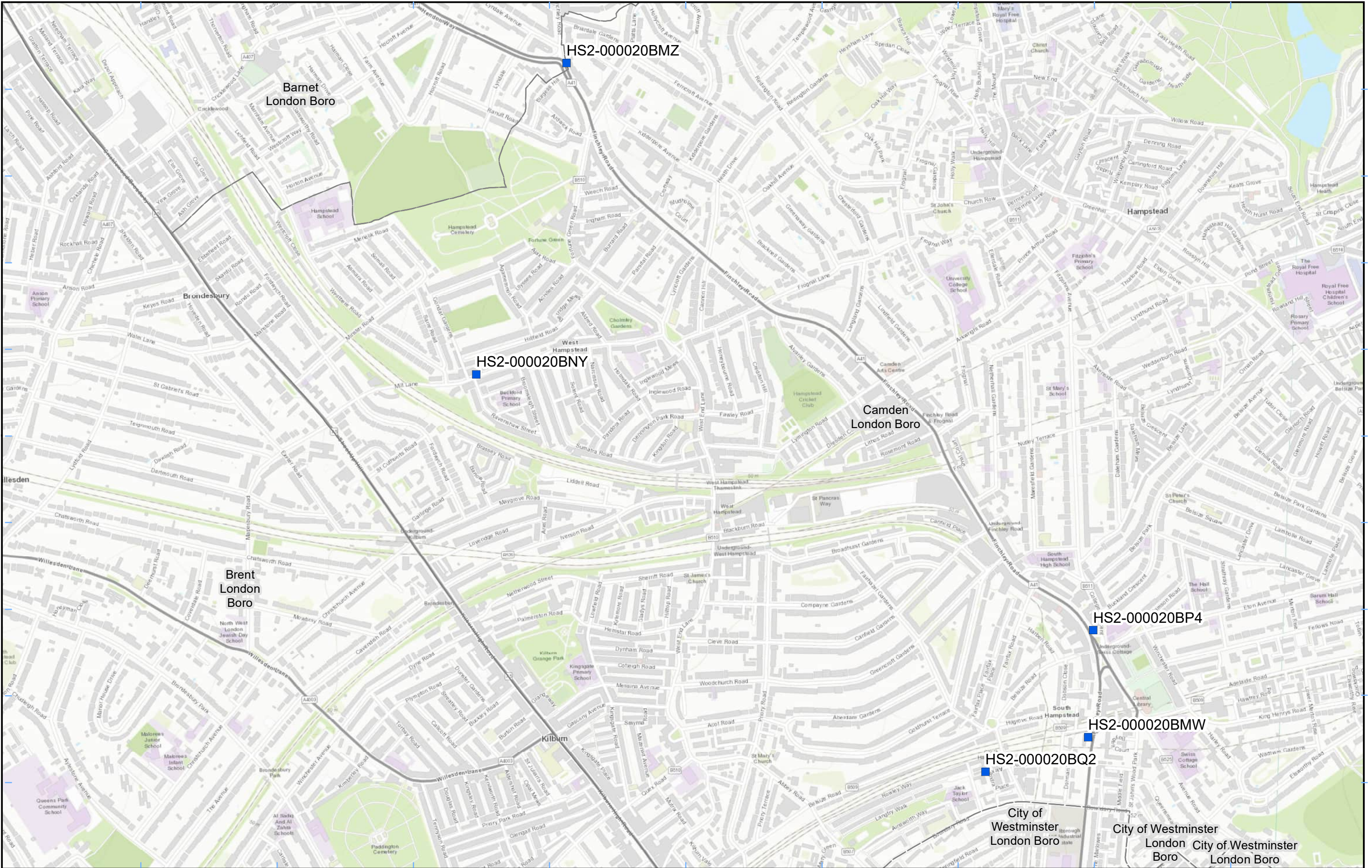
- Wingate – Continuation of CMS installation in BOH areas
- NG Baileys – Completed night work and are continuing on days
- Data Tech – Completed cable installation of 2x Fibre from SER to TSS CER
- Hitachi – Continue installation of radio cables and associated equipment from TSS to Station locations
- Brookvex – Completed installation of 2 x Cables from TSS to IMR on Northern line P1.

- 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 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.
- 1.1.10 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.
- 1.1.11 NO₂ monitoring locations and results are presented in Appendix C, Table 3, together with the 2024 running mean.
- 1.1.12 There were no (0) complaints received during the reporting period (February 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

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 LBC (Sheet 1)

London Borough of Camden

hs2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway,
Birmingham B4 6GA.

Scale at A3: 1:10,000

0100200300400

Metres

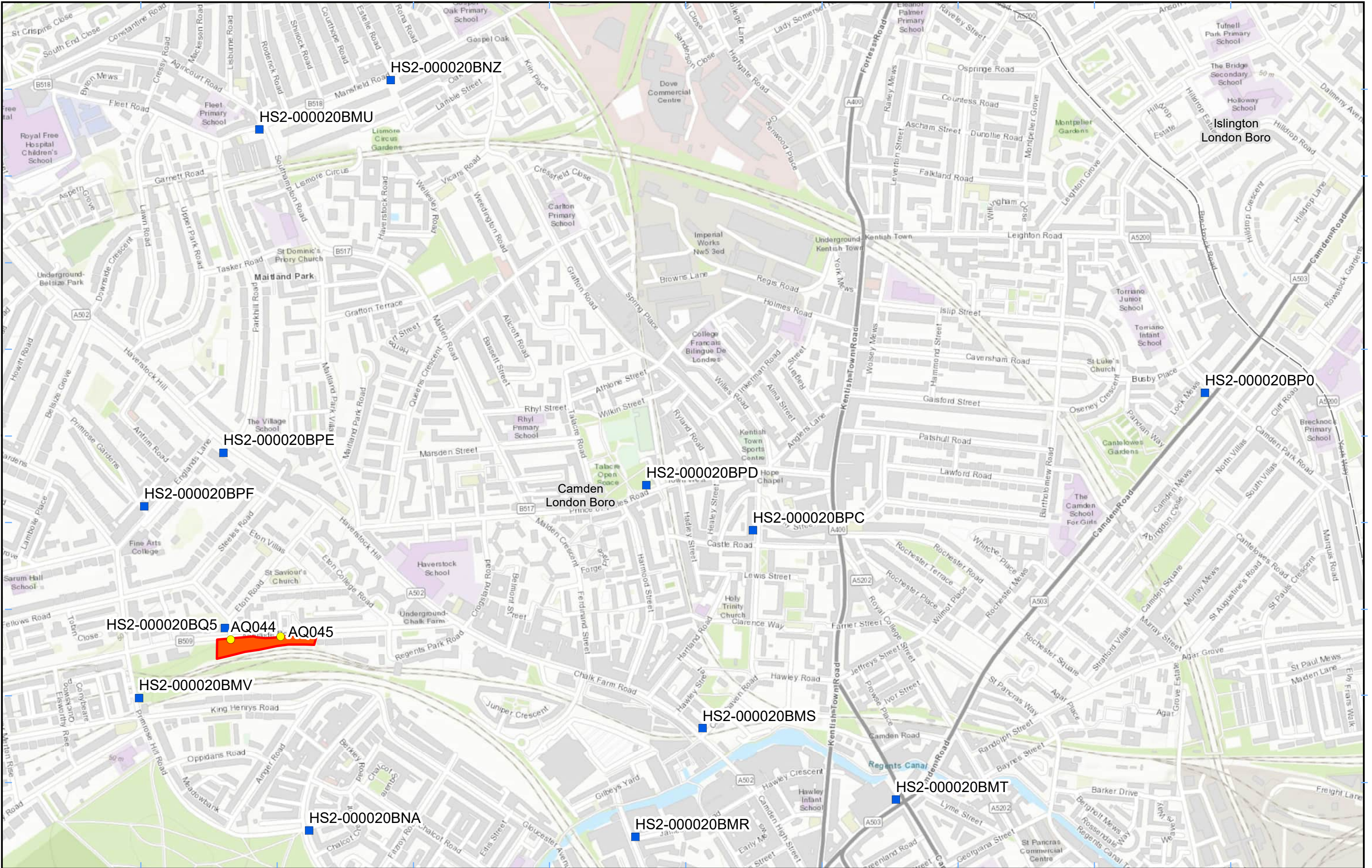
Doc Number:

Date: 25/10/22

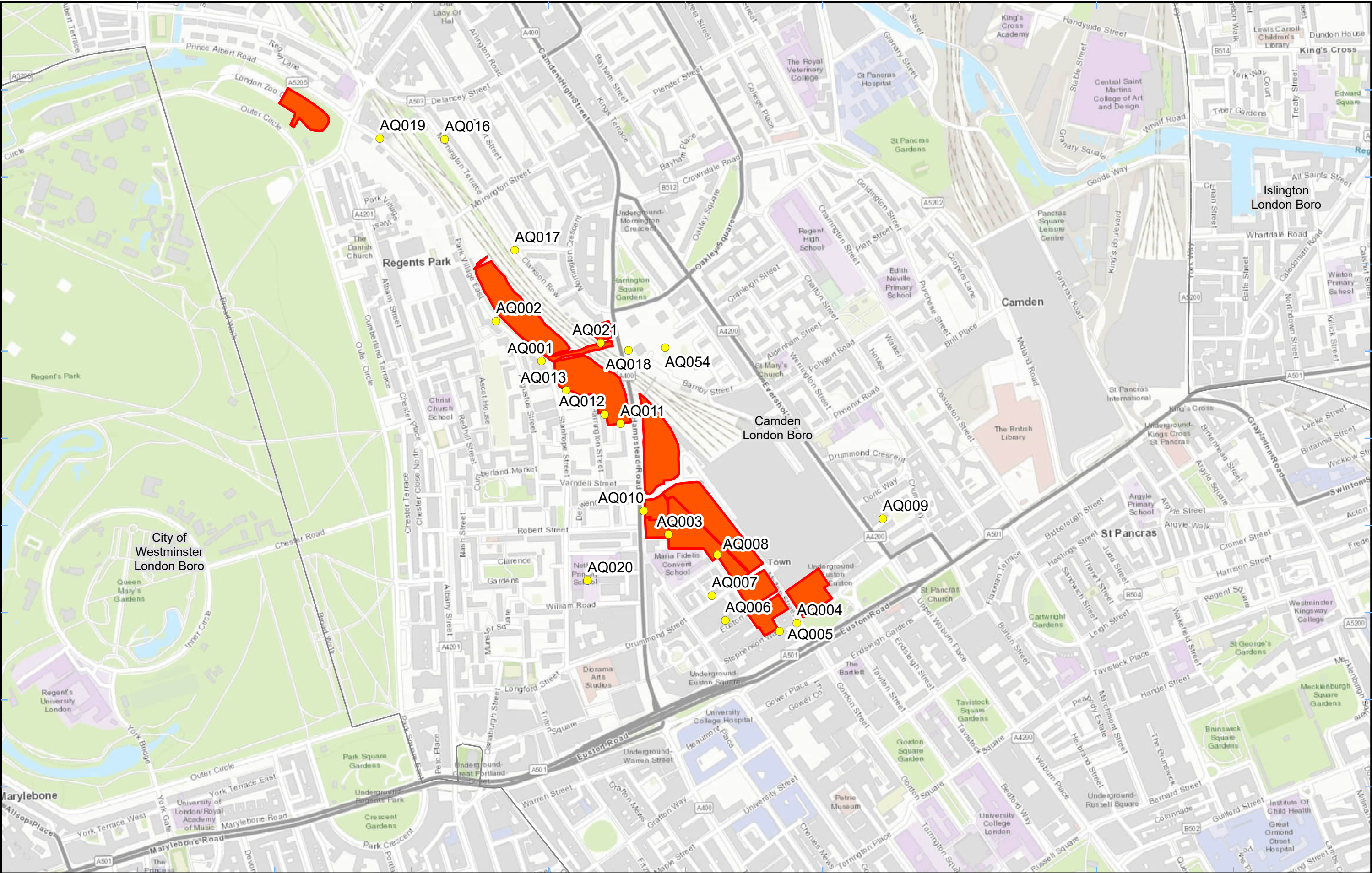
N

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.

© Crown copyright and database rights 2022.
Ordnance Survey Licence Number 100049190.



<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 data-bbox="2300 1837 2418 1921"></div> <div data-bbox="2433 1837 2864 1900"><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></div> <div data-bbox="2285 1942 2537 2026"><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 data-bbox="2582 1932 2864 2016"><p>Scale at A3: 1:7,000</p></div> <div data-bbox="2730 2026 2864 2058"><p>Date: 25/10/22</p></div>
--	--	---



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

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.

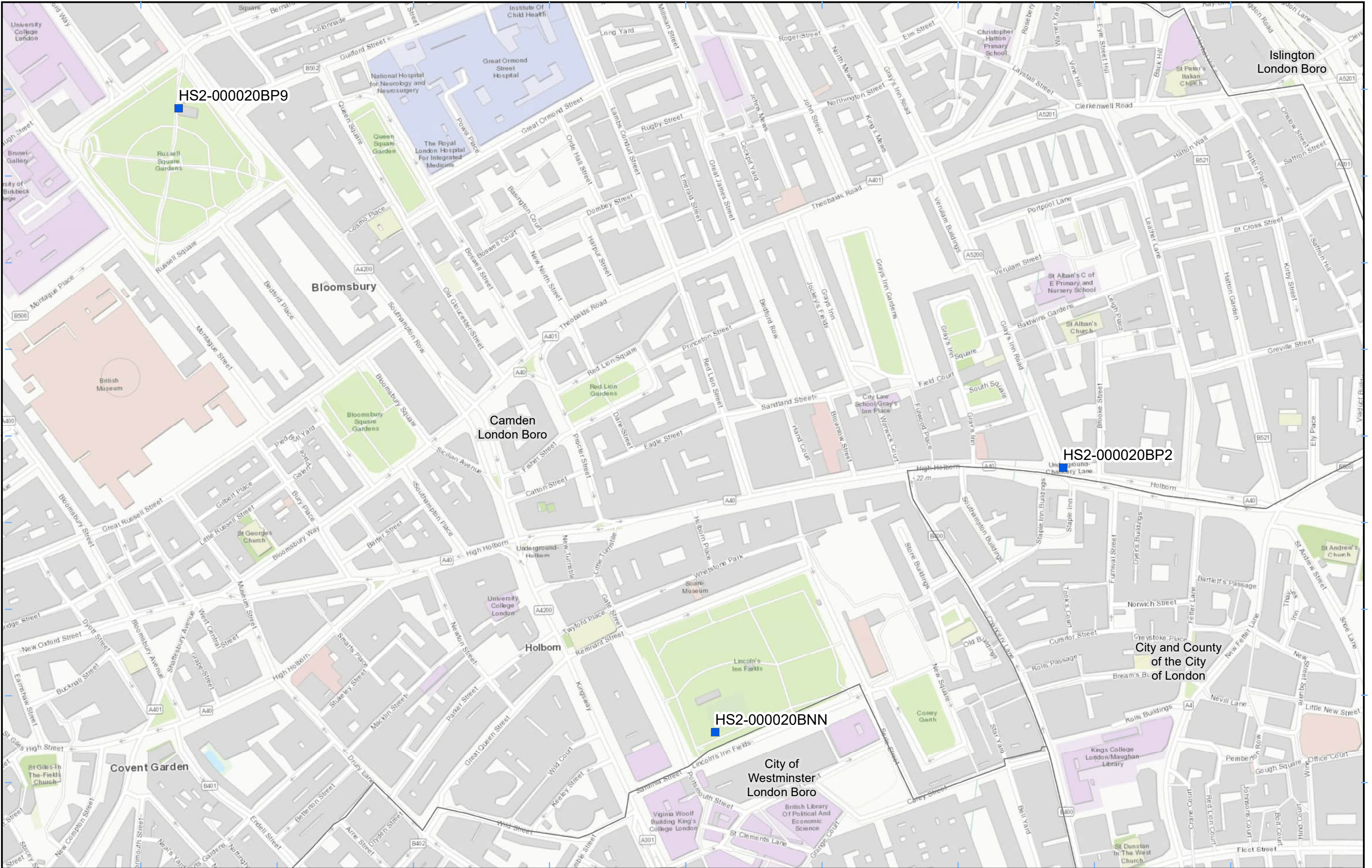
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway,
Birmingham B4 6GA.

Scale at A3: 1:7,000

© Crown copyright and database rights 2023.
Ordnance Survey Licence Number 100049190.

Doc Number:

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>© 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	
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	Scale at A3: 1:4,000 <div><div></div><div>0 40 80 120 160</div><div>Metres</div></div> <div>Date: 25/10/22</div>	

Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

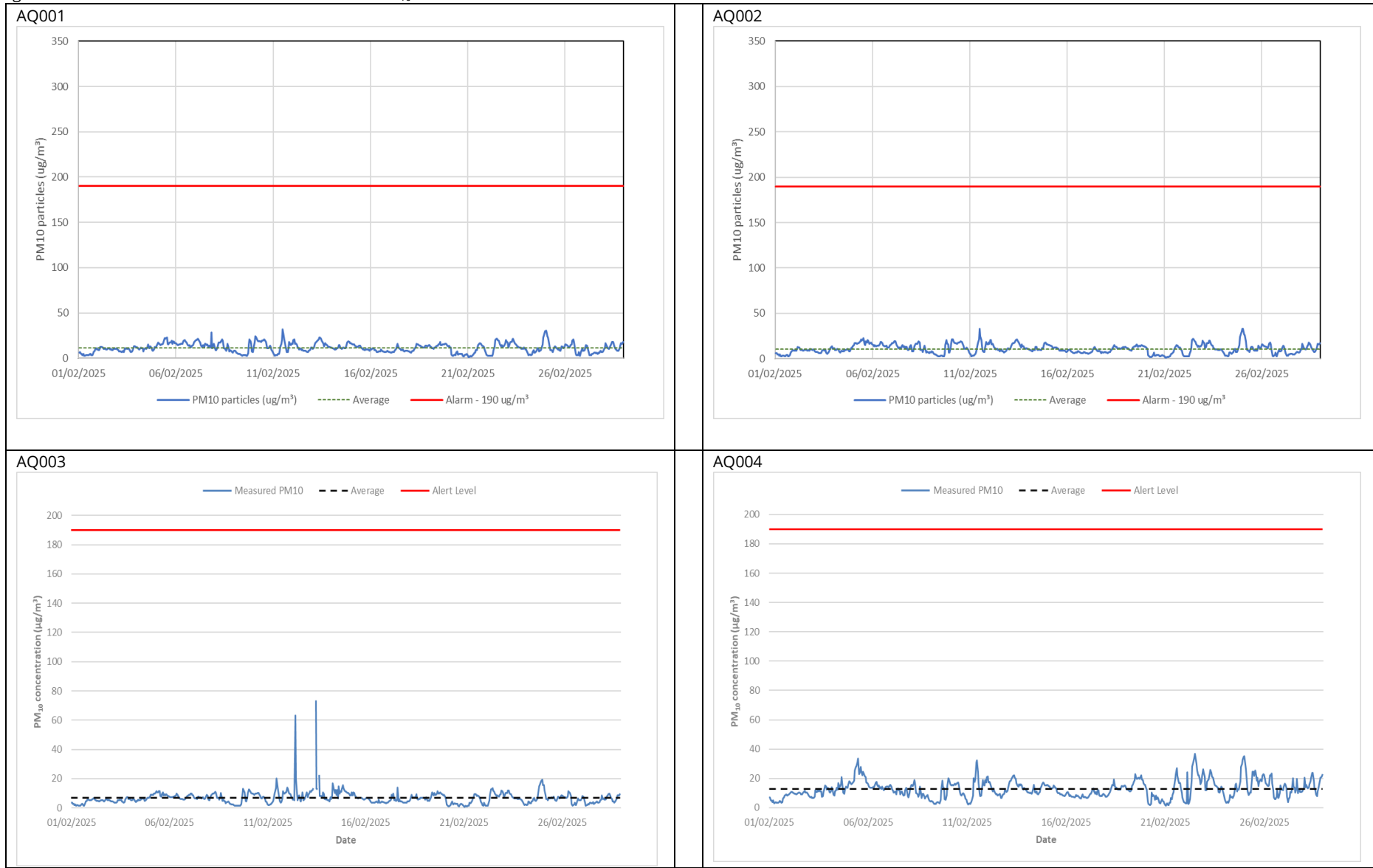
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number 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	11.5	1.3	31.6	0	100.0
AQ002	528924, 183130	Park Village East	M	Yes	N	10.8	1.2	33.0	0	100.0
AQ003	529273, 182698	St James' Gardens	M	Yes	N/A	6.9	0.8	73.6	0	99.6
AQ004	529533, 182519	Melton Street	H	Yes	N/A	12.7	1.6	36.7	0	100.0
AQ005	529498, 182502	Stephenson Way	H	Yes	N/A	17.2	2.0	105.9	0	100.0
AQ006	529388, 182524	Euston Street	H	Yes	N/A	10.4	1.2	29.4	0	100.0
AQ007	529361, 182574	Drummond Street	H	Yes	N/A	20.5	2.7	73.3	0	100.0
AQ008	529372, 182657	Cobourg Street	H	Yes	N/A	12.5	1.3	45.9	0	100.0
AQ009	529707, 182730	Eversholt Street	H	Yes	N/A	37.2	4.3	178.9	0	100.0
AQ010	529223, 182746	Hampstead Road South	M	Yes	N/A	16.0	1.7	309.3	1	100.0
AQ011	529176, 182922	Hampstead Road	M	Yes	N	10.9	1.2	32.0	0	100.0

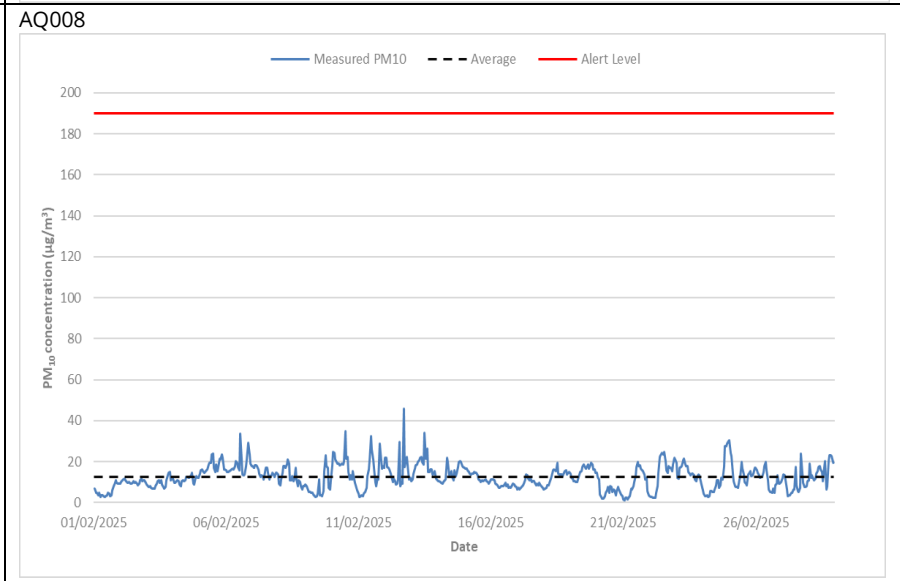
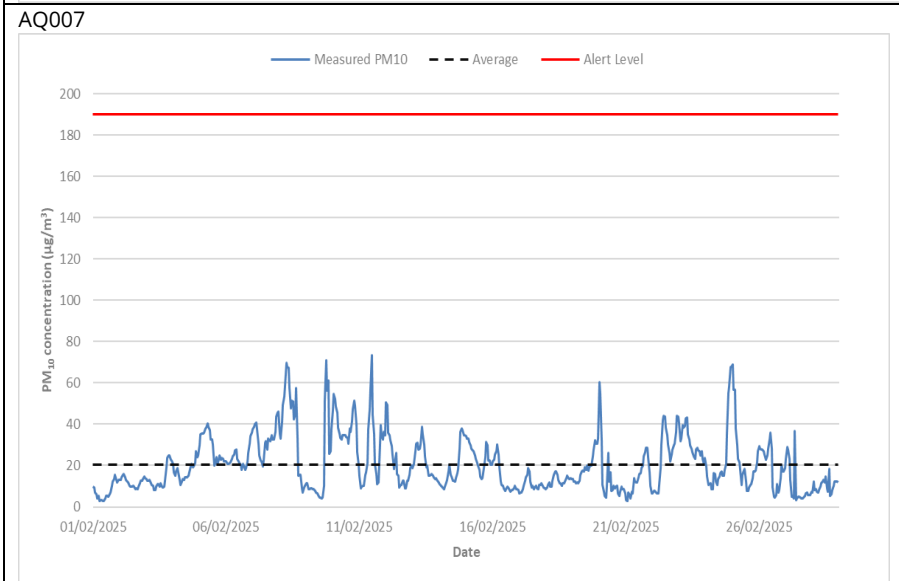
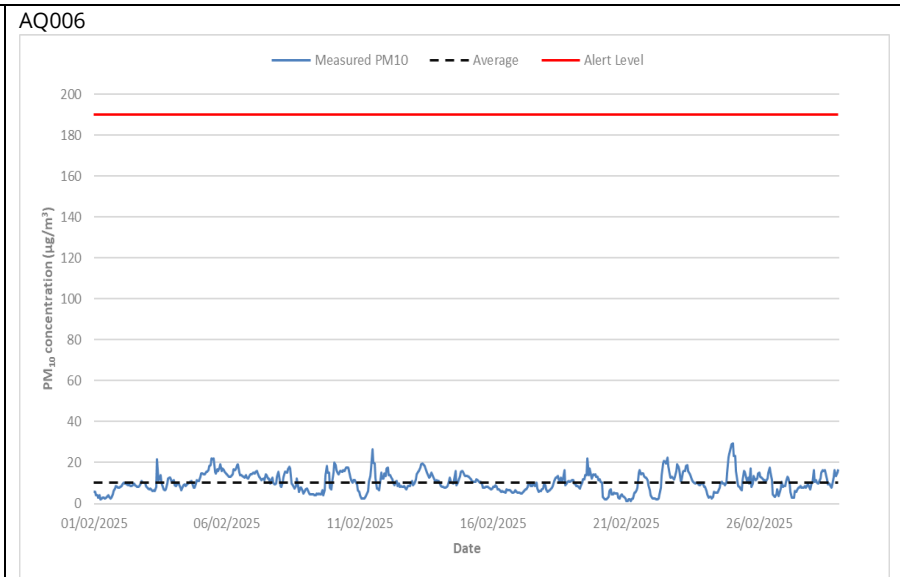
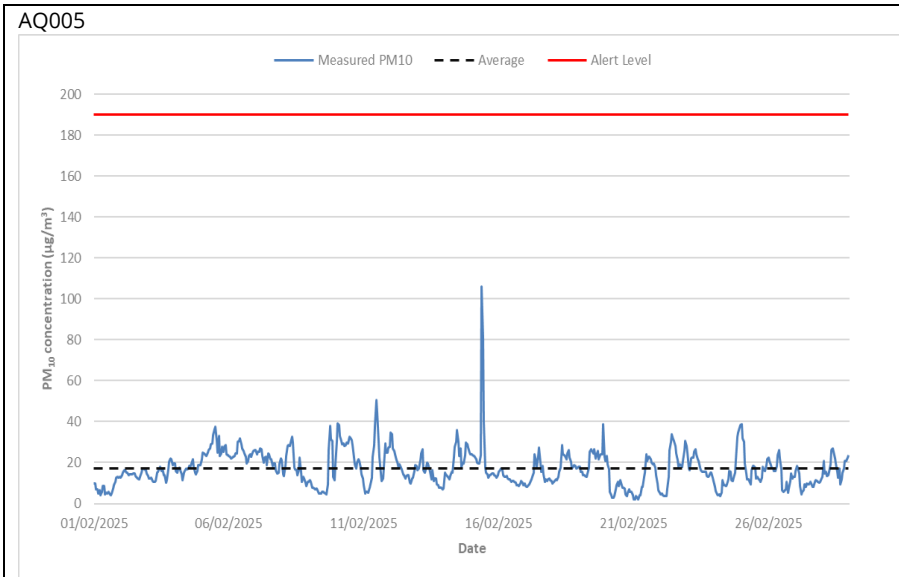
Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1- hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
AQ012	529144, 182941	Rear of Coniston House	M	Yes	N	11.2	1.3	36.5	0	100.0
AQ013	529066, 182990	Regents Park Estate	M	Yes	N	10.3	1.0	42.9	0	100.0
AQ016	528820, 183498	Mornington Terrace North	M	Yes	N	11.1	1.2	39.8	0	100.0
AQ017	528962, 183274	Mornington Terrace South	M	Yes	N	9.8	1.0	30.1	0	100.0
AQ018	529192, 183071	Hampstead Road North	M	Yes	N	10.2	1.1	30.4	0	100.0
AQ019	528689, 183500	Park Village East (North)	M	Yes	N	8.8	1.1	35.7	0	100.0
AQ020	529109, 182605	Netley School	N/A	Yes	N/A	10.6	1.3	49.0	0	100.0
AQ021	529136, 183086	Site compound at the Junction of Hampstead Road & Granby Terrace Bridge	M	Yes	N	12.0	1.4	35.8	0	100.0
AQ044	527725, 184369	Adelaide Road 1	M	Yes	N	13.9	1.6	42.5	0	100.0
AQ045	527826, 184375	Adelaide Road 2	M	Yes	N	11.4	1.3	50.3	0	100.0
AQ054	529266, 183076	Ampthill Estate, Hampstead Road	M	Yes	N	17.7	2.2	53.7	0	100.0

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

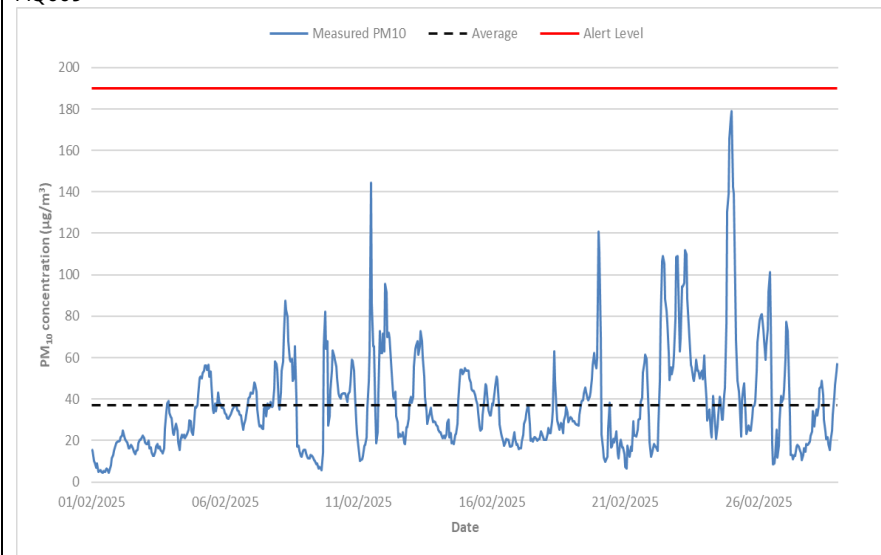
Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
AQ010	28/02/2025 11:01 – 12:00; 309.3 µg/m ³	<p>Works were stopped when the alert was received and construction methods reviewed. MDjv confirmed that Best Practicable Means were in place during the works when the exceedance was recorded, i.e. continuous damping down with a separate water spray.</p> <p>The cause of the exceedance seems to have been due to the close proximity of the works to the Air Quality Monitor (the works were occurring within 3 metres of the monitor).</p>	The site team was re-briefed on the importance of maintaining Best Practicable Means at all times and to include breaks in the works if they are producing dust. No additional exceedances were reported for the works.

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

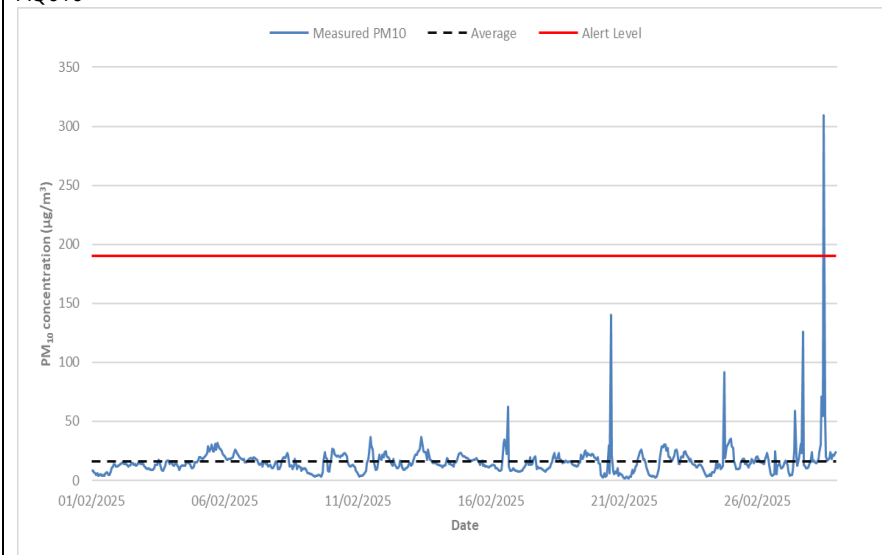




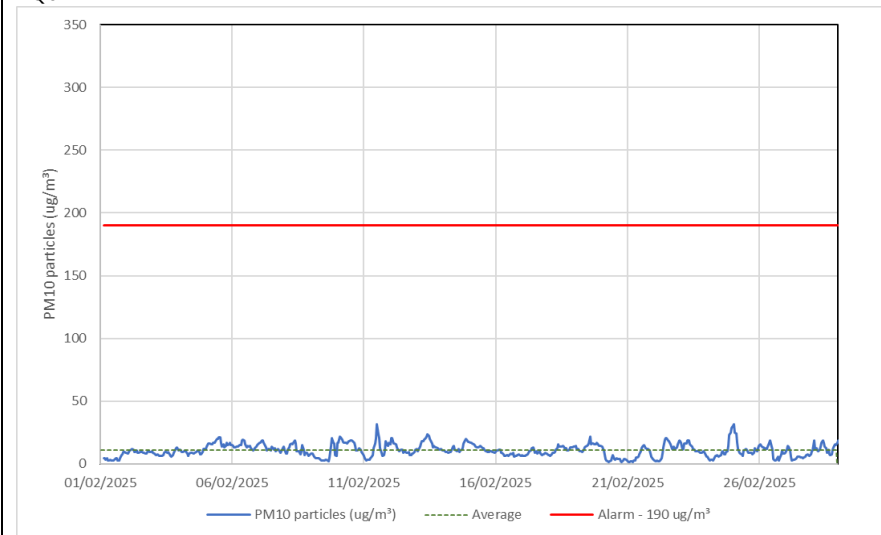
AQ009



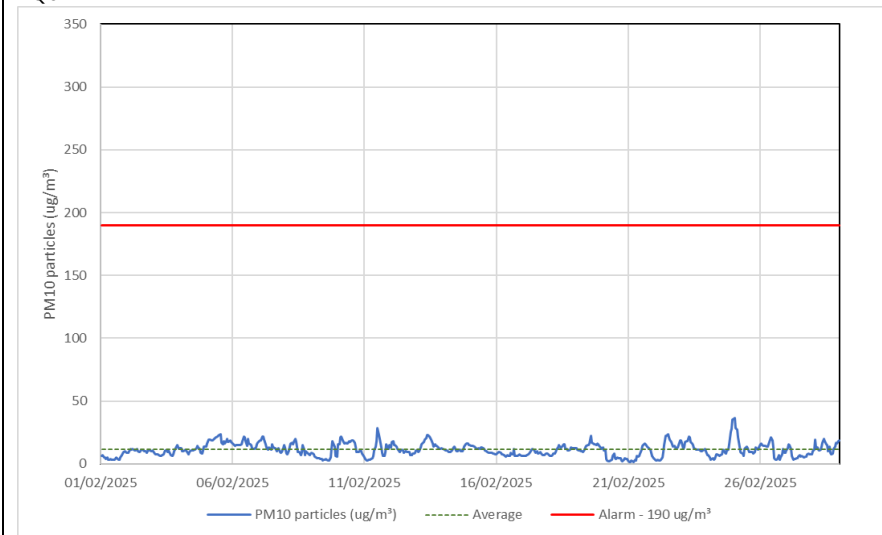
AQ010



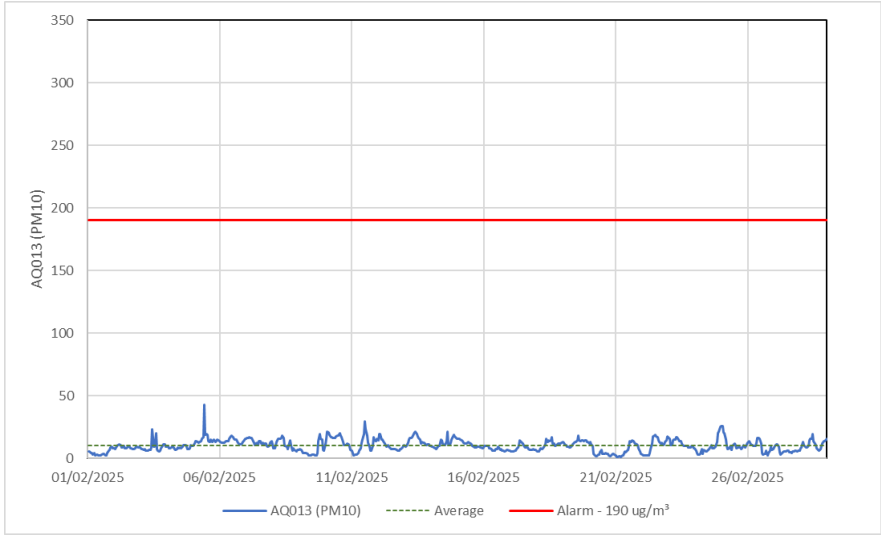
AQ011



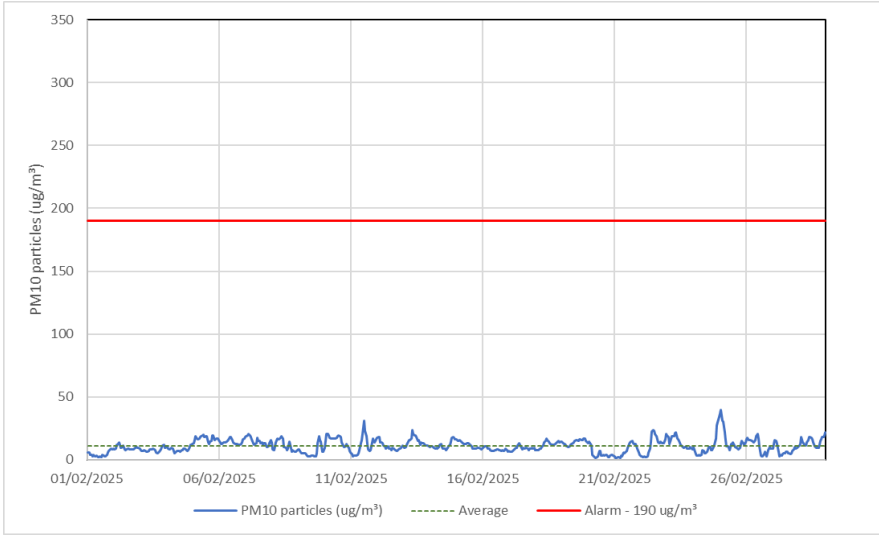
AQ012



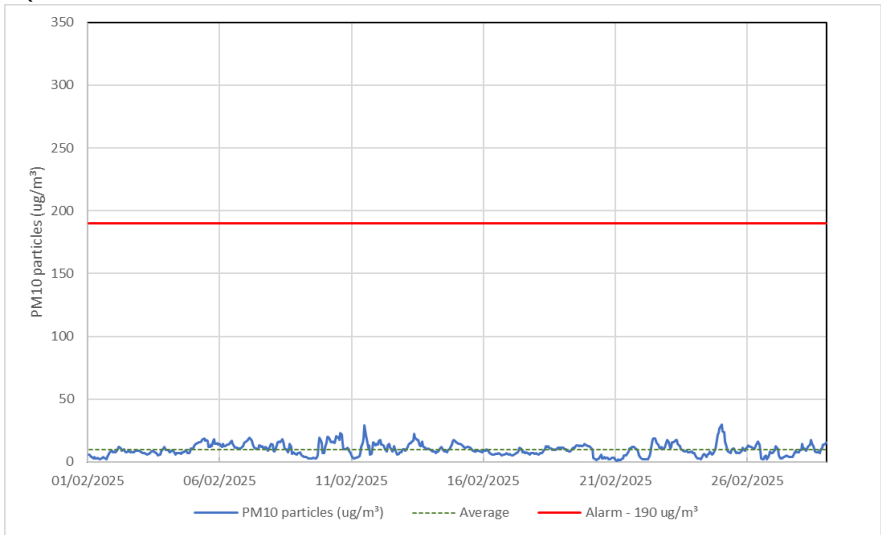
AQ013



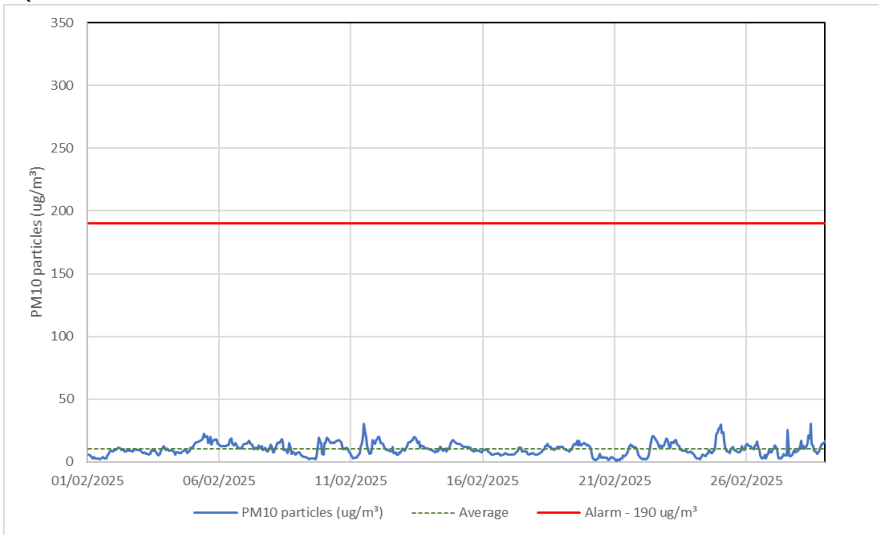
AQ016



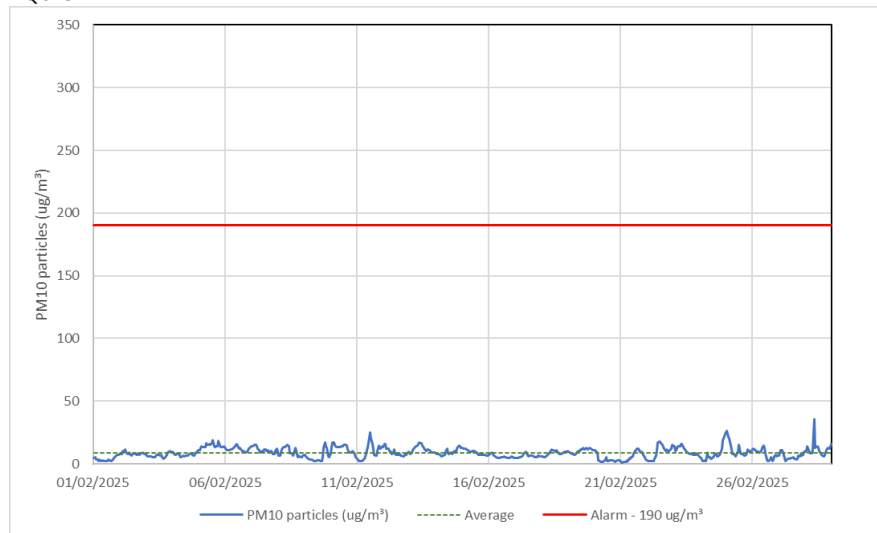
AQ017



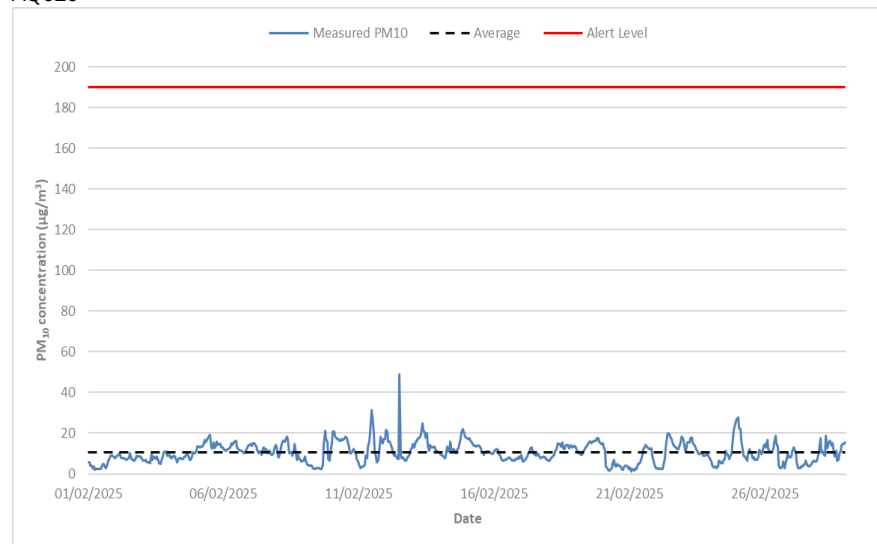
AQ018



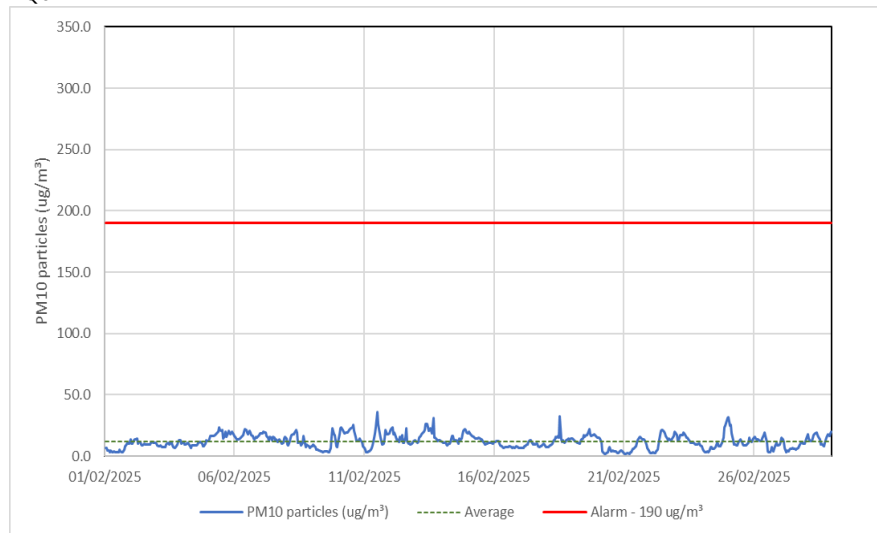
AQ019



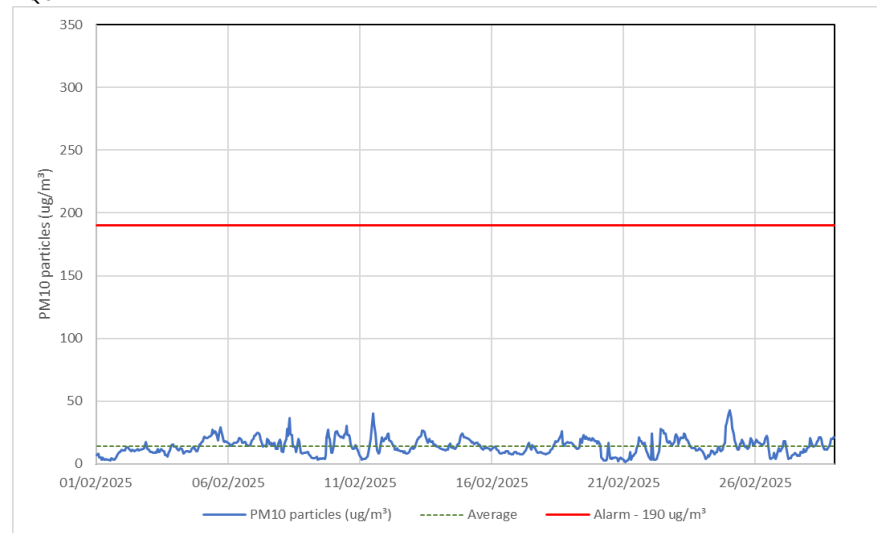
AQ020



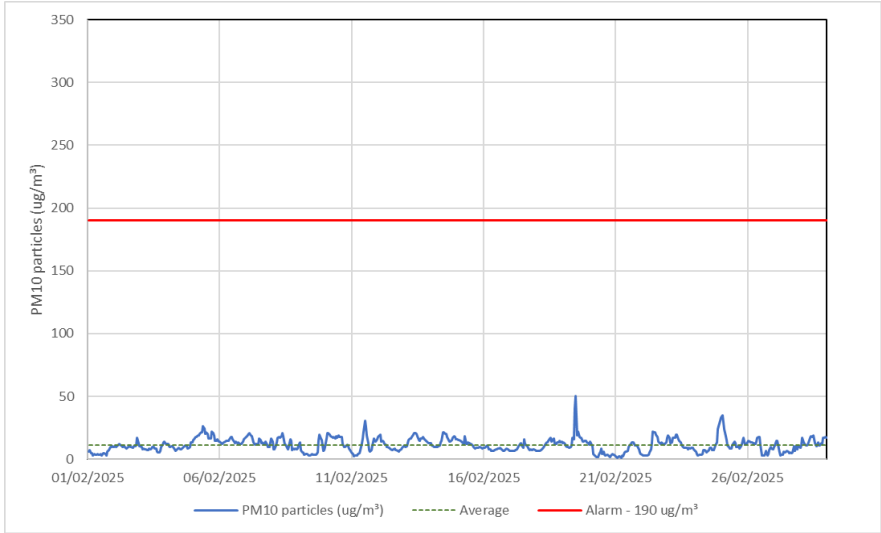
AQ021



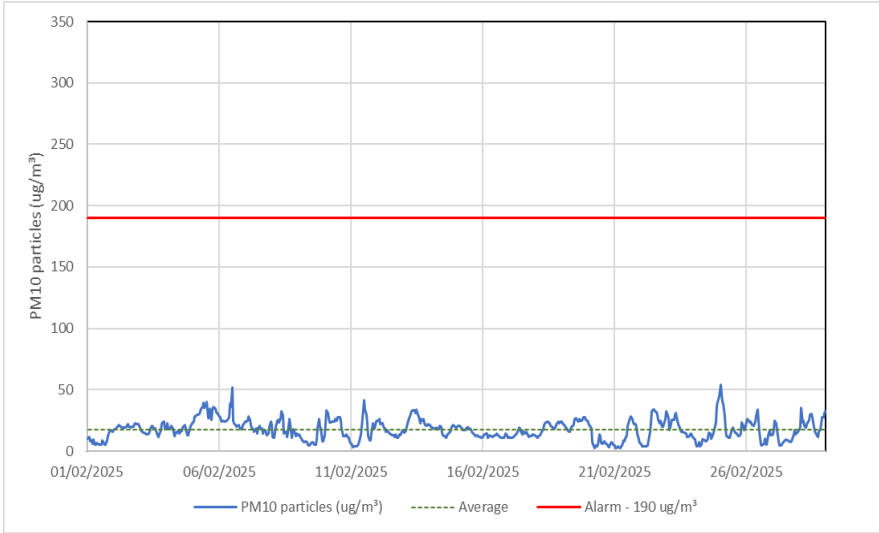
AQ044



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												27
HS2-000020BM7	Chalton Street	529894, 182702	47												47
HS2-000020BM8	Junction of Euston Square and Grafton Place	529737, 182641	Tube Missing												-
HS2-000020BM9	Junction of Endsleigh Gardens and Upper Woburn Place	529785, 182529	45												45
HS2-000020BMA	Junction of Euston Road and Gower Street	529429, 182375	14												14
HS2-000020BMB	Whitfield Street	529273, 182114	28												28
HS2-000020BMC	Hampstead Road	529232, 182511	54												54
HS2-000020BMF	Junction of Polygon Road and Ossulston Street	529715, 183123	35												35
HS2-000020BMH	Nash Street	528861, 182717	31												31

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
HS2-000020BMJ	Junction on Robert Street and Stanhope Street	529080, 182698	36												36
HS2-000020BMK	Junction of Plender Street and Bayham Street	529196, 183546	48												48
HS2-000020BML	Junction of Arlington Road and Mornington Crescent	529093, 183356	35												35
HS2-000020BMM	Junction of Bayham Street and Pratt Street	529084, 183722	42												42
HS2-000020BMN	Junction of Delancey Street and Albert Street	528850, 183573	35												35
HS2-000020BMQ	Junction of Parkway and Delancey Street	528662, 183604	51												51
HS2-000020BMR	Junction of Oval Road and Jamestown Road	528548, 183967	32												32
HS2-000020BMS	Junction of Chalk Farm Road and Castlehaven Road	528685, 184188	44												44
HS2-000020BMT	Junction of Camden Road and Camden Street	529079, 184043	44												44
HS2-000020BMU	Junction of Southampton Road and Fleet Road	527783, 185407	41												41
HS2-000020BMV	Primrose Hill Road	527538, 184250	38												38

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BMW	Junction of Finchley Road and Hilgrove Road	526619, 184081	48												48
HS2-000020BMZ	Junction of Finchley Road and Hendon Way	525102, 186042	58												58
HS2-000020BNA	Junction of Regent's Park Road and Rothwell Street	527884, 183980	16												16
HS2-000020BNC	Junction of Outer Circle and Gloucester Gate	528528, 183443	29												29
HS2-000020BNH	Junction of Parkway and Albert Street	528763, 183720	39												39
HS2-000020BNN	Lincoln's Inn Fields	530744, 181308	35												35
HS2-000020BNQ	Camley Street	529735, 183737	45												45
HS2-000020BNY	Junction of Mill Lane and Hillfield Road	524839, 185136	39												39
HS2-000020BNZ	Mansfield Road	528050, 185508	Tube Missing												
HS2-000020BP0	Junction of Camden Road and Torriano Avenue	529708, 184871	29												29
HS2-000020BP2	Junction of Grays Inn Road and Holborn	531149, 181616	50												50
HS2-000020BPB	Camden High Street	528966, 183735	44												44
HS2-000020BPC	Castlehaven Road	528788, 184591	37												37

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BPD	Prince of Wales Road	528571, 184683	29												29
HS2-000020BPE	Haverstock Hill	527710, 184749	43												43
HS2-000020BPF	Junction of Primrose Gardens and England's Lane	527549, 184640	24												24
HS2-000020BPU	Junction of Gower Street and Grafton Way	529476, 182267	45												45
HS2-000020BPW	Junction of Delancey Street and Arlington Road	528939, 183637	36												36
HS2-000020BPX	Netley Street	529177, 182625	19												19
HS2-000020BPY	Stanhope Street	529060, 182947	33												33
HS2-000020BPZ	Albany Street	528790, 182923	36												36
HS2-000020BQ0	Werrington Street	529493, 183113	35												35
HS2-000020BQ1	Polygon Road	529574, 183045	36												36
HS2-000020BQ2	Alexandra Place	526320, 183980	28												28
HS2-000020BQ3	Harrington Square	529228, 183172	39												39
HS2-000020BQ4	Junction of North Gower Street and Starcross Street	529290, 182572	37												37
HS2-000020BQ5	Adelaide Road	527713, 184392	40												40
HS2-000020BQ6	Mornington Terrace	528836, 183474	32												32

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2-000020BQ7	Arlington Road	529009, 183479	35												35
HS2-000020BQ8	Clarkson Row	529024, 183213	34												34
HS2-000020BQ9	Park Village East	528923, 183121	Tube Missing												-
HS2-000020BQA	Eversholt Street	529386, 183132	46												46
HS2-000020BQB	Junction of Harrington Street and Varndell Street	529147, 182816	35												35
HS2-000020BQC	Junction of Robert Street and Hampstead Road	529199, 182704	41												41
HS2-000020BQD	Drummond Crescent	529648, 182856	40												40
HS2-000020BQJ	Grafton Way	529380, 182225	50												50
HS2-000020BQL	Delancey Street	528768, 183581	40												40
HS2-000020BQR	Lamp post on Park Village East	528682, 183505	36												36
HS2-000020BQS	Opposite Maria fidelis school on Phoenix Road	529670, 182982	16												16
HS2-000020BQT	Drummond Street	529385, 182581	29												29
HS2-000020BQX	Lamp post on Brunswick Square	530344, 182236	39												39
HS2-000020BP4	Triplicate site on Finchley Road next to Swiss Cottage kerbside automatic monitoring station	526633, 184392	40												40

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