

April 2025

Air Quality and Dust Monitoring Monthly Report – April 2025 London Borough of Camden

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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 March 2025 and April 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 <u>www.gov.uk/government/collections/monitoring-the-environmental-</u><u>effects-of-hs2</u>, 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)

<u>Delatim</u>

- Stair 1 (south): Cutting screed for movement joints. Mastic to newly formed joints.
- Stairs 1 and 2: Remedial and snagging works to floor.
- Stair 2 (north): Weekend works snagging and painting on stair risers and treads.
- GF: Snagging/painting external demountable access panels.
- Snagging/painting fire doors.
- B1 and B2: fire stopping works to slab.
- Fire stopping floor penetrations: fire stopping L2-L1 slab under transformer rectifiers units. Carrying out snagging & mastic works.
- Various mastic works, labelling and logging.
- L1 Stair 1: Kemwell and lagging works.
- Painting of external louvres.
- Carried out NOWRI to various finishes.

<u>Wingate</u>

• Re-routing cables and maintenance works.

<u>GKR</u>

• Scaffolding Tracker works.

<u>Clipfine</u>

- Assisting contractors with movement of materials in the main yard.
- B2-10: Assisting Delatim with fermacell boards install to soffit.
- L1-01: Repairing / painting walls inside Messroom and Balfour's rooms following conduit alteration.
- Infilling holes, making good concrete walls.
- Continued with wall painting snagging works (throughout the box).
- General housekeeping (various locations).
- Floor scrubbing / cleaning.
- 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.

<u>MF Old School</u>

- Internal 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.

<u>Zone 5</u>

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

<u>Utilities</u>

- Continued MH1 at Hampstead Road/Cardington Street excavation and Secondary Diversion TW/pipework install.
- MH1A tunnel excavation completed towards MH1.
- Ongoing UKPN trench excavation at Cobourg Street and TSS area.
- Completed Caisson 11 timber heading to existing sewer at Melton Street and cover slab installation.
- Melton Street 800mm gas excavation and 42' water main decommissioning.
- Euston Street gas diversion compound set up and hand/vac-ex excavation.

Two Towers

• Storage area.

Balfour's completed works

- Ongoing pre-commissioning works on TSS plant.
- Successful QICC Inspections.

McGees Works

- Waterproofing works to bottom of the old access shaft.
- Steel-fixing mesh and rebar for protecting slab.
- Concrete pour for new protecting slab.
- Shaft backfilling works.
- Top slab steel-fixing mesh. Preparation works in readiness for concrete pour.
- Concrete pour top slab.
- Setting out Exclusion / Restricted Area in preparation for demolition works.
- Commenced demolition works. Commenced removal of cladding sheets at high level.
- 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 2025 running mean.
- 1.1.12 There were no (0) complaints received during the reporting period (April 2025).

Appendix A – Worksites and Monitoring Locations

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











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/m³)	Minimum 1- hour PM ₁₀ concentration (µg/m³)	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	М	Yes	Ν	20.9	8.0	66.0	0	100.0
AQ002	528924, 183130	Park Village East	м	Yes	Ν	11.2	2.9	27.6	0.0	100.0
AQ003	529273, 182698	St James' Gardens	М	Yes	N/A	7.7	1.4	168.9	0	100.0
AQ004	529533, 182519	Melton Street	Н	Yes	N/A	16.2	3.2	137.3	0	100.0
AQ005	529498, 182502	Stephenson Way	н	Yes	N/A	19.1	4.6	188.6	0	100.0
AQ006	529388, 182524	Euston Street	н	Yes	N/A	11.5	2.8	42.7	0	100.0
AQ007	529361, 182574	Drummond Street	н	Yes	N/A	9.4	2.0	34.3	0	100.0
AQ008	529372, 182657	Cobourg Street	н	Yes	N/A	17.2	4.3	88.5	0	100.0
AQ009	529707, 182730	Eversholt Street	н	Yes	N/A	29.5	5.1	157.5	0	100.0
AQ010	529223, 182746	Hampstead Road South	м	Yes	N/A	19.9	3.7	101.9	0	100.0
AQ011	529176, 182922	Hampstead Road	М	Yes	Ν	14.7	3.1	63.4	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	site since Mean 1-hour PM ₁₀ previous concentration period (µg/m ³) Minimum 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	М	Yes	N	12.9	2.8	51.5	0	100.0
AQ013	529066, 182990	Regents Park Estate	М	Yes	N	11.5	2.4	136.9	0	100.0
AQ016	528820, 183498	Mornington Terrace North	М	Yes	N	12.2	2.4	56.1	0	100.0
AQ017	528962, 183274	Mornington Terrace South	М	Yes	N	9.8	1.9	88.6	0	100.0
AQ018	529192, 183071	Hampstead Road North	М	Yes	N	10.7	2.5	26.4	0	100.0
AQ019	528689, 183500	Park Village East (North)	М	Yes	N	11.4	2.9	29.9	0	100.0
AQ020	529109, 182605	Netley School	N/A	Yes	N/A	9.8	1.7	27.8	0	100.0
AQ021	529136, 183086	Site compound at the Junction of Hampstead Road & Granby Terrace Bridge	М	Yes	Ν	12.2	1.9	300.1	1	100.0
AQ044	527725, 184369	Adelaide Road 1	М	Yes	N	13.3	4.3	45.3	0	100.0
AQ045	527826, 184375	Adelaide Road 2	М	Yes	N	13.0	4.0	34.4	0	99.9
AQ054	529266, 183076	Ampthill Estate, Hampstead Road	М	Yes N 22.9 4.8		4.8	50.8	0.0	100.0	

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

Monitoring site ID	Period exceeding trigger level	Investigation	Outcomes / Resolution / Remedial measures implemented
AQ021	09/04/2025 12:01 – 13:00; 300.1 μg/m³	At the time of the exceedance there were no dusty works taking place in the vicinity of the monitor. Operatives were installing water pipework nearby but nothing that would generate excessive dust nor cause such a high reading, and no dust was observed. Area was damped down as a matter of course. It is considered that the trigger was false, especially given the high reading, probably due to a tiny piece of debris dislodged in the monitor's inlet tube.	Monitor was subsequently serviced on 22nd April.

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













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	Мау	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	31										29
HS2- 000020BM7	Chalton Street	529894, 182702	47	41	47										45
HS2- 000020BM8	Junction of Euston Square and Grafton Place	529737, 182641	Tube Missing	46	51										49
HS2- 000020BM9	Junction of Endsleigh Gardens and Upper Woburn Place	529785, 182529	45	35	47										42
HS2- 000020BMA	Junction of Euston Road and Gower Street	529429, 182375	14	45	40										33
HS2- 000020BMB	Whitfield Street	529273, 182114	28	42	33										34
HS2- 000020BMC	Hampstead Road	529232, 182511	54	38	41										44
HS2- 000020BMF	Junction of Polygon Road and Ossulston Street	529715, 183123	35	29	35										33

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	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2- 000020BMH	Nash Street	528861, 182717	31	14	41										29
HS2- 000020BMJ	Junction on Robert Street and Stanhope Street	529080, 182698	36	37	47										40
HS2- 000020BMK	Junction of Plender Street and Bayham Street	529196, 183546	48	Tube Missing	30										39
HS2- 000020BML	Junction of Arlington Road and Mornington Crescent	529093, 183356	35	32	48										39
HS2- 000020BMM	Junction of Bayham Street and Pratt Street	529084, 183722	42	31	52										42
HS2- 000020BMN	Junction of Delancey Street and Albert Street	528850, 183573	35	31	60										42
HS2- 000020BMQ	Junction of Parkway and Delancey Street	528662, 183604	51	38	36										42
HS2- 000020BMR	Junction of Oval Road and Jamestown Road	528548, 183967	32	Erroneous Data	40										36
HS2- 000020BMS	Junction of Chalk Farm Road and Castlehaven Road	528685, 184188	44	34	33										37
HS2- 000020BMT	Junction of Camden Road and Camden Street	529079, 184043	44	39	35										39
HS2- 000020BMU	Junction of Southampton Road and Fleet Road	527783, 185407	41	35	31										36

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2- 000020BMV	Primrose Hill Road	527538, 184250	38	28	42										36
HS2- 000020BMW	Junction of Finchley Road and Hilgrove Road	526619, 184081	48	39	39										42
HS2- 000020BMZ	Junction of Finchley Road and Hendon Way	525102, 186042	58	62	49										56
HS2- 000020BNA	Junction of Regent's Park Road and Rothwell Street	527884, 183980	16	27	36										26
HS2- 000020BNC	Junction of Outer Circle and Gloucester Gate	528528, 183443	29	24	38										31
HS2- 000020BNH	Junction of Parkway and Albert Street	528763, 183720	39	33	44										39
HS2- 000020BNN	Lincoln's Inn Fields	530744, 181308	35	19	56										37
HS2- 000020BNQ	Camley Street	529735, 183737	45	33	39										39
HS2- 000020BNY	Junction of Mill Lane and Hillfield Road	524839, 185136	39	36	40										38
HS2- 000020BNZ	Mansfield Road	528050, 185508	Tube Missing	26	52										39
HS2- 000020BP0	Junction of Camden Road and Torriano Avenue	529708, 184871	29	37	42										36
HS2- 000020BP2	Junction of Grays Inn Road and Holborn	531149, 181616	50	34	24										36

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
HS2- 000020BPB	Camden High Street	528966, 183735	44	43	Tube Missing										44
HS2- 000020BPC	Castlehaven Road	528788, 184591	37	31	39										36
HS2- 000020BPD	Prince of Wales Road	528571, 184683	29	31	43										34
HS2- 000020BPE	Haverstock Hill	527710, 184749	43	28	32										34
HS2- 000020BPF	Junction of Primrose Gardens and England's Lane	527549, 184640	24	33	36										31
HS2- 000020BPU	Junction of Gower Street and Grafton Way	529476, 182267	45	47	34										42
HS2- 000020BPW	Junction of Delancey Street and Arlington Road	528939, 183637	36	36	37										36
HS2- 000020BPX	Netley Street	529177, 182625	19	33	35										29
HS2- 000020BPY	Stanhope Street	529060, 182947	33	23	36										31
HS2- 000020BPZ	Albany Street	528790, 182923	36	30	42										36
HS2- 000020BQ0	Werrington Street	529493, 183113	35	34	40										36
HS2- 000020BQ1	Polygon Road	529574, 183045	36	26	28										30
HS2- 000020BQ2	Alexandra Place	526320, 183980	28	27	35										30
HS2- 000020BQ3	Harrington Square	529228, 183172	39	30	42										37
HS2- 000020BQ4	Junction of North Gower Street and Starcross Street	529290, 182572	37	35	55										42

Monitoring	Location	Coordinates	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹²
Site ID	description	(X, Y)									•				
HS2- 000020BQ5	Adelaide Road	527713, 184392	40	32	39										37
HS2- 000020BQ6	Mornington Terrace	528836, 183474	32	28	51										37
HS2- 000020BQ7	Arlington Road	529009, 183479	35	4	28										23
HS2- 000020BQ8	Clarkson Row	529024, 183213	34	Tube Missing	35										35
HS2- 000020BQ9	Park Village East	528923, 183121	1	33	Tube Missing										17
HS2- 000020BQA	Eversholt Street	529386, 183132	46	38	29										38
HS2- 000020BQB	Junction of Harrington Street and Varndell Street	529147, 182816	35	32	31										32
HS2- 000020BQC	Junction of Robert Street and Hampstead Road	529199, 182704	41	43	35										40
HS2- 000020BQD	Drummond Crescent	529648, 182856	40	21	28										30
HS2- 000020BQJ	Grafton Way	529380, 182225	50	33	51										45
HS2- 000020BQL	Delancey Street	528768, 183581	40	27	37										34
HS2- 000020BQR	Lamp post on Park Village East	528682, 183505	36	30	44										37
HS2- 000020BQS	Opposite Maria fidelis school on Phoenix Road	529670, 182982	16	23	40										26
HS2- 000020BQT	Drummond Street	529385, 182581	29	33	34										32
HS2- 000020BQX	Lamp post on Brunswick Square	530344, 182236	39	33	35										36

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	Мау	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	37										35
HS2- 000020BP5	Triplicate site next to the Euston Road roadside automatic monitoring stations	529895, 182657	48	45	31										41
HS2- 000020BP9	Triplicate site in Russell Square next to Bloomsbury urban background automatic monitoring station	530120, 182034	40	34	38										37