London Borough of Camden Air Quality Annual Status Report for 2022

Date of publication: August 2023

This report provides a detailed overview of air quality in the London Borough of Camden during 2022. It has been produced to meet the requirements of the London Local Air Quality Management (LLAQM) statutory process[1].

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[1] LLAQM Policy and Technical Guidance 2019 (LLAQM.TG(19))

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Abbreviations

Abbreviation	Description
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
AQN	Air Quality Neutral
AQO	Air Quality Objective
AQP	Air Quality Positive
BEB	Buildings Emission Benchmark
CAB	Cleaner Air Borough
EV	Electric Vehicle
GLA	Greater London Authority
LAEI	London Atmospheric Emissions Inventory
LAQM	Local Air Quality Management
LLAQM	London Local Air Quality Management
NRMM	Non-Road Mobile Machinery
PM_{10}	Particulate matter less than 10 micron in diameter
$PM_{2.5}$	Particulate matter less than 2.5 micron in diameter
TEB	Transport Emissions Benchmark
TfL	Transport for London

Table A. Summary of National Air Quality Standards and Objectives

Pollutant	Standard / Objective (UK)	Averaging Period	Date[(1)]
Nitrogen dioxide (NO_2)	200 µg m^{-3} not to be exceeded more than 18 times a year	1-hour mean	31 Dec 2005
Nitrogen dioxide (NO_2)	40 µg m^{-3}	Annual mean	31 Dec 2005
Particles (PM_{10})	50 µg m^{-3} not to be exceeded more than 35 times a year	24-hour mean	31 Dec 2004
Particles (PM_{10})	40 µg m^{-3}	Annual mean	31 Dec 2004
Particles ($PM_{2.5}$)	20 µg m^{-3}	Annual mean	2020
Particles ($PM_{2.5}$)	Target of 15% reduction in concentration at urban background locations	3-year mean	Between 2010 and 2021
Sulphur dioxide (SO_2)	266 µg m^{-3} not to be exceeded more than 35 times a year	15-minute mean	31 Dec 2005
Sulphur dioxide (SO_2)	350 µg m^{-3} not to be exceeded more than 24 times a year	1-hour mean	31 Dec 2004
Sulphur dioxide (SO_2)	125 µg m^{-3} mot to be exceeded more than 3 times a year	24-hour mean	31 Dec 2004

Notes:

(1) Date by which to be achieved by and maintained thereafter

World Health Organization air quality standards

Camden Council adopted the World Health Organization air quality standards in 2018, becoming the first local authority to do so, and Camden's Clean Air Action Plan 2019-2022[2] is intended to deliver on LAQM statutory obligations in achieving the National Air Quality Standards and Objectives as well as the Council's own objective of achieving WHO compliance by 2030.

Table B. World Health Organization guideline air quality standards

Table B below shows Camden's WHO-aligned objectives for particulate matter, including interim targets for 2022 and 2026. In March 2022 Camden Council also committed to achieving the WHO's revised air quality guidelines borough-wide by 2034.

Pollutant	WHO Guideline (2005)	Averaging Period	Date[(1)]
Particles (PM_{10})	20 µg m^{-3} Interim target of 17.1 µg m^{-3} by 2022 Interim target of 14.8 µg m^{-3} by 2026	Annual mean	2030
Particles ($PM_{2.5}$)	10 µg m^{-3} Interim target of 13.7 µg m^{-3} in 2022 Interim target of 11.8 µg m^{-3} in 2026	Annual mean	2030

[2] https://www.camden.gov.uk/documents/20142/0/Clean+air+action+plan+2019-2022_final2.pdf/f7cd1a68-e707-0755-528a-59388adf0995

1. Air Quality Monitoring

1.1 Locations

Table C. Details of Automatic Monitoring Sites for 2022

Site ID	Site Name	X (m)	Y (m)	Site Type	In AQMA? If so, which AQMA?	Distance to Relevant Exposure (m)	Distance to Kerb of Nearest Road (N/A if not applicable) (m)	Inlet height (m)	Pollutants monitored	Monitoring technique
BL0	London Bloomsbury (Russell Square Gardens)	530123	182014	Urban Background	Y	40	27	4	NO_2, PM_{10}, $PM_{2.5}$, SO_2, O_3	TEOM-FDMS, API NOx
CD1	Swiss Cottage (Finchley Road)	526629	184391	Kerbside	Y	7	1.5	3	NO_2, PM_{10}, $PM_{2.5}$	BAM PM10, BAM PM2.5, T200 NOx
CD9	Euston Road	529878	182648	Roadside	Y	1	0.5	2.5	NO_2, PM_{10}, $PM_{2.5}$	TEOM-FDMS, API NOx
KGX	Coopers Lane	529831	183250	Urban Background / Industrial*	Y	8	55	2.5	PM_{10}	TEOM-FDMS
CD010	Camden High Street	528832	183995	Roadside	Y	1	0.5	2.5	NO_2	Teledyne API M200A NOx

- 'Kerbside' refers to sites with sample inlets within 1m of the kerb of a busy road. Sampling heights are within 2-3m of the ground.
- 'Roadside' refers to sites with sample inlets between 1m and 5m of the kerbside. Sampling heights are within 2-3m of the ground.
- 'Urban background' locations away from major sources and broadly representative of town/city-wide background concentrations, e.g., urban residential areas.[3]

[3] https://www.londonair.org.uk/london/asp/classification.asp?region=13&site=SK2&details=general&mapview=all&la_id=&network=All&MapType=Static

Table D. Details of Non-Automatic Monitoring Sites for 2022

Site ID	Site Name	X (m)	Y (m)	Site Type	In AQMA? If so, which AQMA?	Distance to Relevant Exposure (m)	Distance to Kerb of Nearest Road (N/A if not applicable) (m)	Inlet height (m)	Pollutants monitored	Tube co-located with an automatic monitor. (Y/N)
CAM70	Euston Road	530093	182792	Kerbside	Y	1	0.5	2.2	NO_2	N
CAM71	Euston Road LAQN colocation	529907	182670	Roadside	Y	1	0.5	2	NO_2	Y
CAM72	St. George's Gardens (prev. 'Wakefield Gardens')	530430	182430	Urban Background	Y	18	30	1.8	NO_2	N
CAM73	St. George's Gardens East	530512	182511	Urban Background	Y	10	29	1.5	NO_2	N
CAM75	Frognal Way	526213	185519	Urban Background	Y	6	30	3	NO_2	N
CAM79	Tavistock Gardens	529880	182334	Urban Background	Y	35	25	2.5	NO_2	N
CAM81	Tottenham Court Road*	529568	181728	Kerbside	Y	4	<1	3.5	NO_2	N
CAM77	Swiss Cottage	526633	184392	Kerbside	Y	7	<1	2.5	NO_2	Y
CAM74	Kentish Town Road	529013	185102	Roadside	Y	1	1	2.5	NO_2	N
CAM76	47 Fitzjohn's Road	526547	185125	Roadside	Y	5	5	2	NO_2	N
CAM78	Brill Place	529904	183138	Roadside	Y	12	0.5	2.5	NO_2	N
CAM86	Bloomsbury Street	529962	181620	Kerbside	Y	4	<1	2.2	NO_2	N
CAM84	Camden Road	529173	184129	Kerbside	Y	5	<1	2.2	NO_2	N
CAM85	Chetwynd Road	528722	185950	Roadside	Y	2	1	2.5	NO_2	N
CAM82	Emmanuel Primary School	525362	185255	Roadside	Y	3	2	2	NO_2	N
CAM83	Witanhurst Lane	528213	187203	Roadside	Y	3	1.5	2.2	NO_2	N
CAM80	Endsleigh Gardens	529689	182470	Roadside	Y	6	0.5	2	NO_2	N
CAM87	Dartmouth Park Hill	529118	185913	Roadside	Y	10	0.5	2.5	NO_2	N
CAM88	Acland Burghley School (Burghley Road)	529099	185881	Roadside	Y	1	7	2.2	NO_2	N
CAM89	Oakford Road	529060	185848	Roadside	Y	8	1	2.5	NO_2	N
CAM121	Haverstock School (Haverstock Hill)	528081	184490	Roadside	Y	4	0.5	2.2	NO_2	N
CAM122	Harmood Street	528558	184331	Roadside	Y	7	1	2.2	NO_2	N
CAM123	Hartland Road	528619	184315	Roadside	Y	3	1	2.2	NO_2	N
CAM124	Hawley Primary School (Hawley Road)	528881	184287	Roadside	Y	1	6	2.2	NO_2	N

CAM125	Kentish Town Road	528935	184053	Roadside	Y	5	0.5	2.2	NO_2	N
CAM126	Hawley Crescent	528898	184094	Roadside	Y	4	0.5	2.2	NO_2	N
CAM127	Jamestown Road	528704	184011	Roadside	Y	5	0.5	2.2	NO_2	N
CAM128	Camden High Street (Bridge)	528722	184127	Roadside	Y	6	2	2.5	NO_2	N
CAM129	Camden High Street (Camden News)	528845	183970	Roadside	Y	5	2	2.2	NO_2	N
CAM130	Camden High Street (American Candy)	528884	183901	Roadside	Y	6	1	2.2	NO_2	N
CAM131	Britannia Junction	528915	183870	Kerbside	Y	15	0.5	2.5	NO_2	N
CAM132	Cavendish School (Arlington Road)	528770	183887	Roadside	Y	3	2	2.5	NO_2	N
CAM133	Holy Trinity & St. Silas School (Hartland Road)	528715	184456	Roadside	Y	3	1.5	2.5	NO_2	N
CAM133	Holy Trinity & St. Silas School (Hartland Road)	528715	184456	Roadside	Y	3	1.5	2.5	NO_2	N
CAM1	Schools AQ 1 - Lady Somerset Road	529030	185687	Roadside	Y	7.5	1	2.5	NO_2	N
CAM2	Schools AQ 2 - New End/Streatley Place	526518	185938	Roadside	Y	5.5	0.5	2.5	NO_2	N
CAM3	Schools AQ 3 - New End T-Junction	526518	185989	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM4	Schools AQ 4 - Savernake Road (Gospel Oak Primary School)	528159	185641	Roadside	Y	5	0.5	2.5	NO_2	N
CAM5	Schools AQ 5 - Rona Road	528098	185597	Roadside	Y	7.5	0.5	2.5	NO_2	N
CAM6	Schools AQ 6 - South Hampstead High School Junior School	526345	184876	Roadside	Y	10	0.5	2.5	NO_2	N
CAM7	Schools AQ 7 - Devonshire House Preparatory School	526479	185411	Roadside	Y	14	0.5	2.5	NO_2	N
CAM8	Schools AQ 8 - University College School Senior School	526226	185337	Roadside	Y	10	0.5	2.5	NO_2	N

CAM9	Schools AQ 9 - Christchurch Primary School	526499	186122	Roadside	Y	24	9.5	2.5	NO_2	N
CAM10	Schools AQ 10 - Princess Road (Primrose Hill School)	528302	183932	Roadside	Y	10	0.5	2.5	NO_2	N
CAM11	Schools AQ 11 - Minster Road (Mulberry House School)	524345	185133	Roadside	Y	8	0.5	2.5	NO_2	N
CAM12	Schools AQ 12 - Cliff Villas (Brecknock Primary School)	529918	184786	Roadside	Y	7	0.5	2.5	NO_2	N
CAM13	HSS Phase 4&5 1 - Ecole Jeannine Manuel - Bedford Square south (outside school)	529845	181595	Roadside	Y	5	1	2.5	NO_2	N
CAM14	HSS Phase 4&5 2 - Ecole Jeannine Manuel - Bedford Avenue between Adeline Place and Morwell Street (LC5)	529804	181519	Roadside	Y	5	0.5	2.5	NO_2	N
CAM15	HSS Phase 4&5 3 - Ecole Jeannine Manuel - Bedford Square north (opposite side to school)	529805	181703	Roadside	Y	4	0.5	2.5	NO_2	N
CAM16	HSS Phase 4&5 4 - Argyle Primary School - Tonbridge Street	530210	182748	Roadside	Y	6.5	1.5	2.5	NO_2	N
CAM17	HSS Phase 4&5 5 - St Mary & St Pancras - Polygon Road	529583	183051	Roadside	Y	17.5	2.5	2.5	NO_2	N
CAM18	HSS Phase 4&5 6 - St Mary & St Pancras - Phoenix Road	529617	182935	Roadside	Y	6	<1	2.5	NO_2	N

CAM19	HSS Phase 4&5 7 - St Mary & St Pancras - Aldenham Road	529522	183089	Roadside	Y	5	0.5	2.5	NO_2	N
CAM20	HSS Phase 4&5 8 - Lyndhurst House Prep - Lyndhurst Gardens	526856	185301	Roadside	Y	13	<0.5	2.5	NO_2	N
CAM21	HSS Phase 4&5 9 - Lyndhurst House Prep - Wedderburn Road	526929	185226	Roadside	Y	13.5	0.5	2.5	NO_2	N
CAM22	HSS Phase 4&5 10 - St Christopher's - Belsize Lane	527006	185160	Roadside	Y	15	<0.5	2.5	NO_2	N
CAM23	HSS Phase 4&5 11 - St Christopher's - Orman Road	527067	185152	Roadside	Y	8.5	0.5	2.5	NO_2	N
CAM24	HSS Phase 4&5 12 - Kingsgate Lower school - Liddell Road	525116	184772	Roadside	Y	20	<1	2.5	NO_2	N
CAM25	HSS Phase 4&5 13 - Kingsgate Lower school - Iverson Road	525199	184709	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM26	HSS Phase 4&5 14 - Kingsgate Lower school - Ariel Road	525030	184701	Roadside	Y	5	0.5	2.5	NO_2	N
CAM27	HSS Phase 4&5 15 - Kentish Town CofE - Islip Street	529114	185052	Roadside	Y	5	0.5	2.5	NO_2	N
CAM28	HSS Phase 4&5 16 - Kentish Town CofE - Caversham Road	529112	184960	Roadside	Y	9	0.5	2.5	NO_2	N
CAM29	HSS Phase 4&5 17 - Kentish Town CofE - Gaisford Street	529113	184869	Roadside	Y	7.5	0.5	2.5	NO_2	N
CAM30	HSS Phase 4&5 18 - Christopher Hatton - Mount Pleasant	531028	182092	Roadside	Y	3.5	<0.5	2.5	NO_2	N

CAM31	HSS Phase 4&5 19 - Brookfield School - Croftdown Road	528745	186598	Roadside	Y	8	0.5	2.5	NO_2	N
CAM32	HSS Phase 4&5 20 - Brookfield School - Chester Road	528685	186614	Roadside	Y	6	0.5	2.5	NO_2	N
CAM33	HSS Phase 4&5 21 - Brookfield School - Bramshill Gardens	528876	186421	Roadside	Y	6.5	0.5	2.5	NO_2	N
CAM34	HSS Phase 4&5 22 - Christ Church School - Redhill Street	528835	182980	Roadside	Y	10.5	1	2.5	NO_2	N
CAM35	HSS Phase 4&5 23 - Christ Church School - Redhill Street	528814	182873	Roadside	Y	6	0.5	2.5	NO_2	N
CAM36	HSS Phase 4&5 24 - Beckford School - Dornfell Street	524928	185092	Roadside	Y	7	0.5	2.5	NO_2	N
CAM37	HSS Phase 4&5 25 - Beckford School - Sumatra Road	525036	185121	Roadside	Y	5	0.5	2.5	NO_2	N
CAM38	HSS Phase 4&5 26 - Beckford School - Ravenshaw Road	524860	185039	Roadside	Y	4	0.5	2.5	NO_2	N
CAM39	HSS Phase 4&5 27 - Broadhurst School - Greencroft Gardens	526216	184457	Roadside	Y	10.5	0.5	2.5	NO_2	N
CAM40	HSS Phase 4&5 28 - St Patricks - Raglan Street	528903	185009	Roadside	Y	9	0.5	2.5	NO_2	N
CAM41	HSS Phase 4&5 29 - St Patricks - Inkerman Road	528853	184975	Roadside	Y	6.5	0.5	2.5	NO_2	N
CAM42	HSS Phase 3 1 - Camden School for Girls - Sandall Road	529409	184720	Roadside	Y	3	<0.5	2.5	NO_2	N

CAM43	HSS Phase 3 2 - Hampstead Parochial and UCS Junior - Holly Bush Vale	526343	185755	Roadside	Y	1.5	<0.5	2.5	NO_2	N
CAM44	HSS Phase 3 3 - Rhyl Primary School - Marsden Street	528338	184776	Roadside	Y	6.5	0.5	2.5	NO_2	N
CAM45	HSS Phase 3 4 - Haverstock School - Crogsland Road south	528233	184430	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM46	HSS Phase 3 5 - Netley Primary School - William Road	529113	182561	Roadside	Y	11	<0.5	2.5	NO_2	N
CAM47	Farringdon 1 - Acton Street	530760	182782	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM48	Farringdon 2 - Frederick Street	530705	182701	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM49	Farringdon 3 - Calthorpe Street	530879	182342	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM50	Farringdon 4 - Grays Inn Road/Calthorpe Street	530822	182276	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM51	Farringdon 5 - Ray Street/Herbal Hill	531294	182146	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM52	Farringdon 6 - Summers Street	531239	182105	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM53	Farringdon 7 - Lloyd Baker Street	530990	182574	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM54	Farringdon 8 - Warner Street	531147	182179	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM55	Farringdon 9 - Grays Inn Road North	530620	182633	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM56	Farringdon 10 - Grays Inn Road/Wren Street	530775	182346	Roadside	Y	9	<0.5	2.5	NO_2	N
CAM57	Farringdon 11 - Grays Inn Road South	531056	181822	Roadside	Y	4	<0.5	2.5	NO_2	N

CAM58	Grays Inn Road South 1 - Northington Street / King's Mews	530915	182046	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM59	Grays Inn Road South 2 - John Street	530823	182079	Roadside	Y	6.5	0.5	2.5	NO_2	N
CAM60	Grays Inn Road South 3 - Roger Street	530884	182124	Roadside	Y	1.5	0.5	2.5	NO_2	N
CAM61	Grays Inn Road South 4 - Elm Street	530965	182112	Roadside	Y	6.5	<0.5	2.5	NO_2	N
CAM62	Prince of Wales 1 - Malden Road north	528305	184657	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM63	Prince of Wales 2 - Prince of Wales Road/Truro Street	528179	184606	Roadside	Y	8	0.5	2.5	NO_2	N
CAM64	Prince of Wales 3 - Prince of Wales Road/Haverstock Hill	527990	184602	Roadside	Y	16.5	1	2.5	NO_2	N
CAM65	Prince of Wales 4 - Crogsland Road	528244	184587	Roadside	Y	10	0.5	2.5	NO_2	N
CAM66	Prince of Wales 5 - Malden Crescent	528377	184599	Roadside	Y	8	0.5	2.5	NO_2	N
CAM67	Prince of Wales 6 - Prince of Wales Road/Malden Road	528380	184636	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM68	Prince of Wales 7 - Harmood Street	528537	184626	Roadside	Y	3.5	<0.5	2.5	NO_2	N
CAM69	Prince of Wales 8 - Prince of Wales Road/Grafton Road	528736	184719	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM90	Pratt-Delancey 1 - Pratt Street (between College Place and Royal College Street)	529334	183868	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM91	Pratt-Delancey 2 - Pratt Street (between Bayham Street and Camden Street)	529142	183738	Roadside	Y	10	<0.5	2.5	NO_2	N

CAM92	Pratt-Delancey 3 - Bayham Street	529054	183772	Roadside	Y	4	0.5	2.5	NO_2	N
CAM93	Pratt-Delancey 4 - Greenland Street	529010	183795	Roadside	Y	1	<0.5	2.5	NO_2	N
CAM94	Pratt-Delancey 5 - Delancey Street/Delancey Passage	528971	183636	Roadside	Y	1	1.5	2.5	NO_2	N
CAM95	Pratt-Delancey 6 - Arlington Road (south of Delancey Street)	528968	183551	Roadside	Y	4	1	2.5	NO_2	N
CAM96	Pratt-Delancey 7 - Arlington Road (north of Delancey Street))	528881	183697	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM97	Pratt-Delancey 8 - Albert Street (south of Delancey Street)	528867	183547	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM98	Pratt-Delancey 9 - Delancey Street/Albert Street	528866	183590	Roadside	Y	3	2	2.5	NO_2	N
CAM99	Pratt-Delancey 10 - Albert Street (north of Delancey Street)	528836	183625	Roadside	Y	3	0.5	2.5	NO_2	N
CAM100	Pratt-Delancey 11 - Delancey Street/Parkway	528695	183596	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM101	Pratt-Delancey 12 - Parkway/A4201	528654	183570	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM102	Pratt-Delancey 13 - Gloucester Gate	528604	183457	Roadside	Y	6.5	<0.5	2.5	NO_2	N
CAM103	Pratt-Delancey 14 - North Bridge School	528636	183577	Roadside	Y	16	<0.5	2.5	NO_2	N
CAM104	Pratt-Delancey 15 - Gloucester Avenue	528560	183695	Roadside	Y	20	<0.5	2.5	NO_2	N
CAM105	Pratt-Delancey 16 - Parkway	528724	183702	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM106	Camden Square 1 - Murray Street	529548	184449	Roadside	Y	20	<0.5	2.5	NO_2	N

CAM107	Camden Square 2 - Camden Square East	529677	184531	Roadside	Y	10.5	<0.5	2.5	NO_2	N
CAM108	Camden Square 3 - Camden Terrace	529725	184680	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM109	Camden Square 4 - North Villas	529767	184734	Roadside	Y	7	<0.5	2.5	NO_2	N
CAM110	Camden Square 5 - St. Augustine's Road	529754	184457	Roadside	Y	8.5	<0.5	2.5	NO_2	N
CAM111*	Belsize Park/Swiss Cottage 1 - Maresfield Gardens/Nutley Terrace	526456	184931	Roadside	Y	9	<0.5	2.5	NO_2	N
CAM112*	Belsize Park/Swiss Cottage 2 - Belsize Lane /Fitzjohn's Avenue	526586	184586	Roadside	Y	8	1	2.5	NO_2	N
CAM113*	Belsize Park/Swiss Cottage 3 - Hilgrove Estate	526559	184324	Roadside	Y	12	<0.5	2.5	NO_2	N
CAM114*	Belsize Park/Swiss Cottage 4 - Winchester Road	526815	184322	Roadside	Y	7	<0.5	2.5	NO_2	N
CAM115*	Belsize Park/Swiss Cottage 5 - Eton Avenue	527010	184452	Roadside	Y	6.5	<0.5	2.5	NO_2	N
CAM116*	Belsize Park/Swiss Cottage 6 - Adelaide Road	526984	184239	Roadside	Y	15	<0.5	2.5	NO_2	N
CAM117*	Belsize Park/Swiss Cottage 7 - England's Lane	527318	184555	Roadside	Y	1	<0.5	2.5	NO_2	N
CAM118*	Belsize Park/Swiss Cottage 8 - Belsize Avenue/Belsize Park Gardens	526948	184906	Roadside	Y	7.5	<0.5	2.5	NO_2	N
CAM119*	Belsize Park/Swiss Cottage 9 - Haverstock Hill	527278	185153	Roadside	Y	11.5	<0.5	2.5	NO_2	N

CAM120*	Belsize Park/Swiss Cottage 10 - Pond Street/Fleet Road	527314	185509	Roadside	Y	6.5	1	2.5	NO_2	N
CAM134	Chalk Farm Road 1 - Regent's Park Road	528119	184354	Roadside	Y	<0.5	1.5	2.5	NO_2	N
CAM135	Chalk Farm Road 2 - Chalk Farm Road	528335	184338	Roadside	Y	11	0.5	2.5	NO_2	N
CAM136	Chalk Farm Road 3 - Ferdinand Street	528456	184345	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM137	Chalk Farm Road 4 - Hartland Road	528582	184265	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM138	Haverstock Hill 1 - Haverstock Hill northbound	527278	185153	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM139	Haverstock Hill 2 - Haverstock Hill southbound	527184	185274	Roadside	Y	7	<0.5	2.5	NO_2	N
CAM140	Haverstock Hill 3 - Glenloch Road	527299	185071	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM141	Haverstock Hill 4 - Haverstock Hill (between Upper Park Road and Downside Crescent)	527500	184974	Roadside	Y	12.5	<0.5	2.5	NO_2	N
CAM142	St. Pancras Way 1 - St. Pancras Way south	529606	183589	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM143	St. Pancras Way 2 - Junction of St. Pancras Way and Pratt Street	529443	183941	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM144	St. Pancras Way 3 - St. Pancras Way adjacent to Caulfield Ct.	529405	184139	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM145	St. Pancras Way 4 - St. Pancras Way adjacent to Camden Courtyards	529233	184325	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM146	St. Pancras Way 5 - Camden Street	529289	183697	Roadside	Y	10	<0.5	2.5	NO_2	N

CAM147	York Way 1 - York Way near junction with Camden Park Road	530004	184626	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM148	York Way 2 - York Way Sainsbury's Local	530067	184286	Roadside	Y	6	0.5	2.5	NO_2	N
CAM149	York Way 3 - York Way Art House	530320	183606	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM150	Queens Crescent 1 - Junction of Queens Crescent and Allcroft Road	528259	185061	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM151	Queens Crescent 2 - Gilden Crescent	528191	185041	Roadside	Y	1.5	<0.5	2.5	NO_2	N
CAM152	Queens Crescent 3 - Junction of Grafton Road and Vicar's Road	528248	185360	Roadside	Y	20	<1	2.5	NO_2	N
CAM153	Queens Crescent 4 - Grafton Road south of Queens Crescent	528404	185130	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM154	Queens Crescent 5 - Spring Place south of Arctic Street	528516	185100	Roadside	Y	3.5	<0.5	2.5	NO_2	N
CAM155	Queens Crescent 6 - Holmes Road outside St. Patrick's Catholic Primary School	528874	185037	Roadside	Y	10.5	<0.5	2.5	NO_2	N
CAM156	Queens Crescent 7 - Malden Road outside St. Dominic Primary School	527865	185224	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM157	Queens Crescent 8 - Malden Road at the junction with Marsden Street	528251	184767	Roadside	Y	16	<0.5	2.5	NO_2	N
CAM158	Queens Crescent 9 - Rhyl Street outside Rhyl Primary School	528334	184832	Roadside	Y	4.5	<0.5	2.5	NO_2	N

CAM159	Queens Crescent 10 - Weedington Road south of Queens Crescent	528309	185097	Roadside	Y	8	<0.5	2.5	NO_2	N
CAM160	Queens Crescent 11 - Junction of Wilkin Street and Talacre Road	528430	184837	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM161	Camden Park Road / Torriano Avenue 1 - Torriano Avenue outside Torriano Primary School	529595	185067	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM162	Camden Park Road / Torriano Avenue 2 - Camden Park Road between South Villas and North Villas	529842	184780	Roadside	Y	8.5	<0.5	2.5	NO_2	N
CAM163	Baynes Street (opposite K&I Kitchens, 31-37 Baynes Street)	529317	184124	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM164	Randolph Street	529264	184155	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM165	Royal College Street near junction with Georgiana Street	529310	183998	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM166	Crowndale Road (opposite junction with Bayham Street)	529279	183390	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM167	King Henry's Road 1 - Adelaide Road between Elsworthy Rise and Primrose Hill	527440	184319	Roadside	Y	8	<0.5	2.5	NO_2	N
CAM168	King Henry's Road 2 - Adelaide Road/B509 UCL Academy	526852	184138	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM169	King Henry's Road 3 - Avenue Road	526885	183959	Roadside	Y	18.5	<0.5	2.5	NO_2	N
CAM170	King Henry's Road 4 - Queens Grove	526924	183780	Roadside	Y	8	<0.5	2.5	NO_2	N

CAM171	King Henry's Road 5 - Elsworthy Road between Avenue Road and Wadham Gardens	527018	183899	Roadside	Y	15	<0.5	2.5	NO_2	N
CAM172	King Henry's Road 6 - Elsworthy Road between Lower Merton Rise and Elsworthy Terrace	527372	184086	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM173	King Henry's Road 7 - Elsworthy Road between Elsworth Rise and Primrose Hill Road	527517	184159	Roadside	Y	12	<0.5	2.5	NO_2	N
CAM174	King Henry's Road 8 - King Henry's Road between Adelaide Road and Harley Road	526930	184135	Roadside	Y	9	<0.5	2.5	NO_2	N
CAM175	King Henry's Road 9 - King Henry's Road between Lyttleton Close and Lower Merton Rise	527213	184163	Roadside	Y	7	<0.5	2.5	NO_2	N
CAM176	King Henry's Road 10 - King Henry's Road between Quickswood and Primrose Hill Road	527496	184210	Roadside	Y	10.5	<0.5	2.5	NO_2	N
CAM177	King Henry's Road 11 - King Henry's Road east of Primrose Hill Road	527595	184210	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM178	King Henry's Road 12 - Primrose Hill Road between Elsworthy Road and Oppidans Road	527582	184132	Roadside	Y	11.5	<0.5	2.5	NO_2	N
CAM179	Torrington-Tavistock/Midland-Judd 1 - Herbrand Street	530221	182086	Roadside	Y	3.5	<0.5	2.5	NO_2	N

CAM180	Torrington-Tavistock/Midland-Judd 2 - Guildford Street (west end)	530234	182066	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM181	Torrington-Tavistock/Midland-Judd 3 - Bernard Street	530292	182162	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM182	Torrington-Tavistock/Midland-Judd 4 - Grenville Street	530386	182171	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM183	Torrington-Tavistock/Midland-Judd 5 - Russell Square south	530210	181917	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM184	Torrington-Tavistock/Midland-Judd 6 - Russell Square nouth	530057	182060	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM185	Torrington-Tavistock/Midland-Judd 7 - Woburn Place	530098	182122	Roadside	Y	3.5	<0.5	2.5	NO_2	N
CAM186	Torrington-Tavistock/Midland-Judd 8 - Bedford Way	530001	182105	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM187	Torrington-Tavistock/Midland-Judd 9 - Montague Place	530015	181854	Roadside	Y	16	<0.5	2.5	NO_2	N
CAM188	Torrington-Tavistock/Midland-Judd 10 - Keppel Street	529854	181852	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM189	Torrington-Tavistock/Midland-Judd 11 - Tavistock Place	530104	182388	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM190	Torrington-Tavistock/Midland-Judd 12 - Coram Street	530097	182242	Roadside	Y	12	<0.5	2.5	NO_2	N

CAM191	Torrington-Tavistock/Midland-Judd 13 - Marchmont Street	530177	182316	Roadside	Y	1.5	<0.5	2.5	NO_2	N
CAM192	Torrington-Tavistock/Midland-Judd 14 - Hunter Street	530280	182407	Roadside	Y	9	<0.5	2.5	NO_2	N
CAM193	Torrington-Tavistock/Midland-Judd 15 - Handel Street	530338	182420	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM194	Torrington-Tavistock/Midland-Judd 16 - Tavistock Place/Regent's Square	530343	182500	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM195	Torrington-Tavistock/Midland-Judd 17 - Marchmont Street	530122	182465	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM196	Torrington-Tavistock/Midland-Judd 18 - Leigh Street	530193	182529	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM197	Torrington-Tavistock/Midland-Judd 19 - Sandwich Street	530109	182567	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM198	Torrington-Tavistock/Midland-Judd 20 - Hastings Street	530100	182682	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM199	Torrington-Tavistock/Midland-Judd 21 - Judd Street	530138	182696	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM200	Torrington-Tavistock/Midland-Judd 22 - Midland Road	530044	182947	Roadside	Y	<1	<0.5	2.5	NO_2	N
CAM201	Torrington-Tavistock/Midland-Judd 23 - Bidborough Street	530054	182710	Roadside	Y	2.5	<0.5	2.5	NO_2	N

CAM202	Torrington-Tavistock/Midland-Judd 24 - Mabledon Place	529985	182674	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM203	Torrington-Tavistock/Midland-Judd 25 - Duke's Road	529893	182540	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM204	Torrington-Tavistock/Midland-Judd 26 - Upper Woburn Place	529860	182451	Roadside	Y	7	<0.5	2.5	NO_2	N
CAM205	Torrington-Tavistock/Midland-Judd 27 - Endsleigh Street	529753	182452	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM206	Torrington-Tavistock/Midland-Judd 28 - Gower Place	529509	182363	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM207	Torrington-Tavistock/Midland-Judd 29 - Cleveland Street	529236	181811	Roadside	Y	0.5	<0.5	2.5	NO_2	N
CAM208	Torrington-Tavistock/Midland-Judd 30 - Guildford Street	530352	182100	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM209	Torrington-Tavistock/Midland-Judd 31 - Bloomsbury Square	530402	181627	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM210	Torrington-Tavistock/Midland-Judd 32 - St. Joseph's Roman Catholic Primary School (Macklin Street)	530385	181352	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM211	Torrington-Tavistock/Midland-Judd 33 - High Holborn (174-177)	530165	181329	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM212	Torrington-Tavistock/Midland-Judd 34 - Southampton Row	530278	181926	Roadside	Y	3.5	<0.5	2.5	NO_2	N

CAM213	Torrington-Tavistock/Midland-Judd 35 - High Holborn (199-206)	530386	181485	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM214	Torrington-Tavistock/Midland-Judd 36 - Great Russell Street	530205	181673	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM215	Torrington-Tavistock/Midland-Judd 37 - UCL Department of Chemistry - Christopher Ingold Building (Gordon Street)	529649	182364	Roadside	Y	7	<0.5	2.5	NO_2	N
CAM216	WEP 1 - Warren Street (5)	529281	182256	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM217	WEP 2 - Grafton Way (40)	529364	182207	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM218	WEP 3 - Tottenham Court Road (188)	529467	181964	Roadside	Y	6.5	<0.5	2.5	NO_2	N
CAM219	WEP 4 - Woburn Mansions (30 Torrington Place)	529555	181988	Roadside	Y	3	<0.5	2.5	NO_2	N
CAM220	WEP 5 - Tottenham Court Road (216)	529608	181749	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM221	WEP 6 - Alfred Place (9)	529646	181775	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM222	WEP 7 - Charlotte Street (12)	529531	181588	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM223	WEP 8 - Tottenham Court Road (24-27)	529725	181553	Roadside	Y	10.5	<0.5	2.5	NO_2	N
CAM224	WEP 9 - Tottenham Court Road (279)	529816	181391	Roadside	Y	6.5	<0.5	2.5	NO_2	N
CAM225	WEP 10 - Denmark Street (5)	529901	181254	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM226	WEP 11 - Shaftesbury Avenue (109)	530095	181327	Roadside	Y	16	<0.5	2.5	NO_2	N
CAM227	WEP 12 - Bloomsbury Street (1)	530051	181454	Roadside	Y	1.5	<0.5	2.5	NO_2	N

CAM228	WEP 13 - Bedford Square (7A)	529900	181708	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM229	WEP 14 - Gower Street (89)	529650	182060	Roadside	Y	3.5	<0.5	2.5	NO_2	N
CAM230	WEP 15 - Gower Street (136)	529443	182350	Roadside	Y	10	<0.5	2.5	NO_2	N
CAM231	WEP 16 - Gordon Street (20)	529682	182314	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM232	WEP 17 - Euston Road (137)	529905	182667	Roadside	Y	3.5	<0.5	2.5	NO_2	N
CAM233	WEP 18 - Bedford Square (41)	529844	181551	Roadside	Y	1.5	1	2.5	NO_2	N
CAM234	WEP 19 - Monmouth Street (25)	530074	181163	Roadside	Y	2.5	<0.5	2.5	NO_2	N
CAM235	WEP 20 - Monmouth Street (30)	530056	181082	Roadside	Y	1.5	<0.5	2.5	NO_2	N
CAM236	WEP 21 - Tottenham Court Road (185-186)	529460	181975	Roadside	Y	7.5	<0.5	2.5	NO_2	N
CAM237	WEP 22 - Tottenham Court Road (55)	529590	181751	Roadside	Y	4	<0.5	2.5	NO_2	N
CAM238	WEP 23 - Tottenham Court Road (279)	529812	181400	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM239	WEP 24 - Tower Street	530032	181005	Roadside	Y	1	<0.5	2.5	NO_2	N
CAM240	WEP 25 - Neal Street	530178	181127	Roadside	1.5Y	1.5	<0.5	2.5	NO_2	N
CAM241	Shaftesbury 1 - Shelton Street	530042	181188	Roadside	Y	1.5	0.5	2.5	NO_2	N
CAM242	Shaftesbury 2 - Mercer Street South	529978	181100	Roadside	Y	1.5	0.5	2.5	NO_2	N
CAM243	Shaftesbury 3 - Monmouth Street South	530073	181169	Roadside	Y	1.5	0.5	2.5	NO_2	N
CAM244	Shaftesbury 4 - Tower Street	530059	181041	Roadside	Y	1	0.5	2.5	NO_2	N
CAM245	Shaftesbury 5 - Earlham Street West	530036	181120	Roadside	Y	3	0.5	2.5	NO_2	N

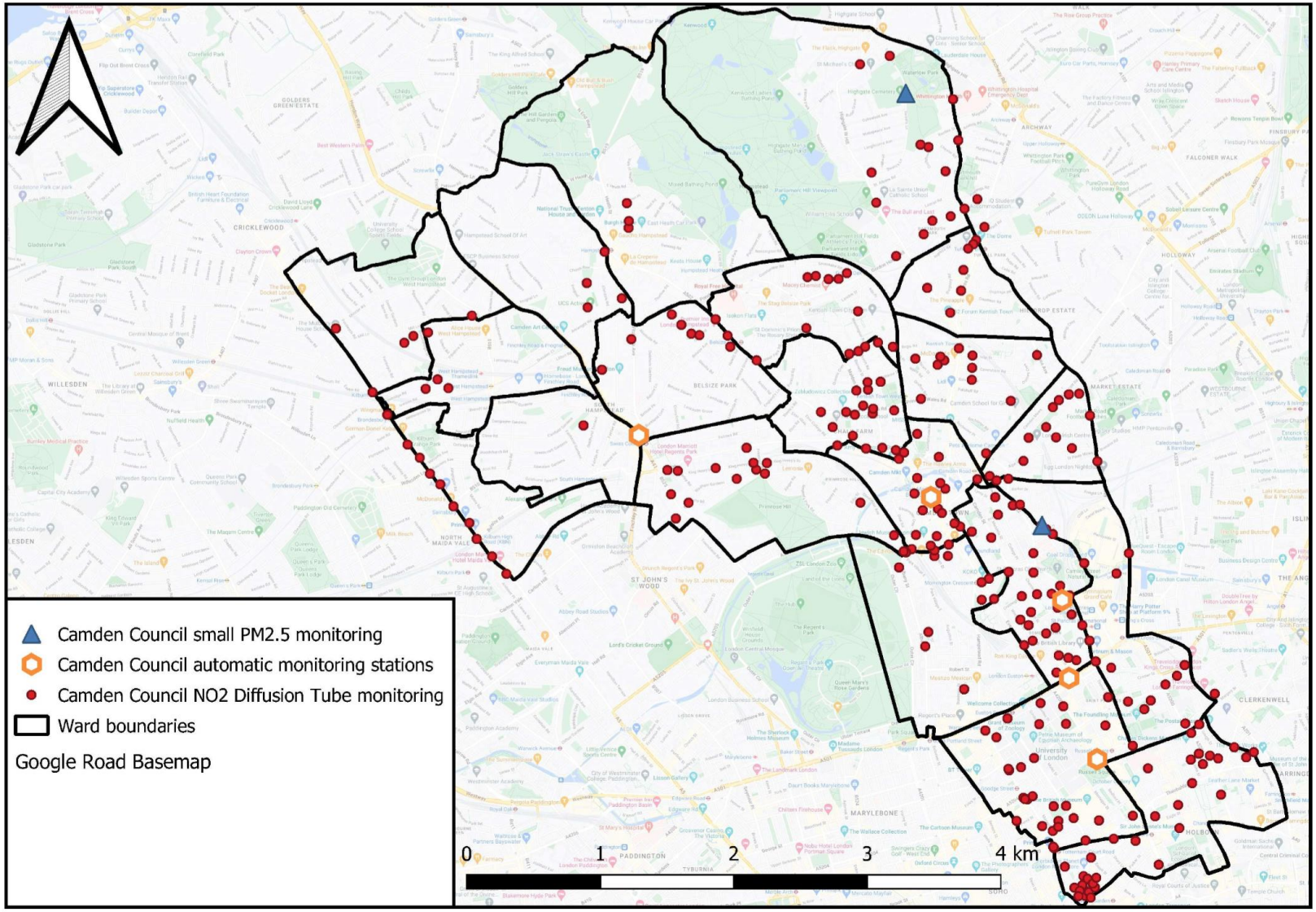
CAM246	Shaftesbury 6 - Shaftesbury Avenue South	530086	181070	Roadside	Y	3	0.5	2.5	NO_2	N
CAM247	Shaftesbury 7 - Mercer Street North	530131	181105	Roadside	Y	1.5	0.5	2.5	NO_2	N
CAM248	Shaftesbury 8 - Shaftesbury Avenue North	530018	181078	Roadside	Y	3	0.5	2.5	NO_2	N
CAM249	Shaftesbury 9 - Monmouth Street North	530009	181037	Roadside	Y	2	0.5	2.5	NO_2	N
CAM250	Shaftesbury 10 - Neal Street	530100	181029	Roadside	Y	2	0.5	2.5	NO_2	N
CAM251	Shaftesbury 11 - Shorts Gardens	530114	181134	Roadside	Y	1	0.5	2.5	NO_2	N
CAM252	Shaftesbury 12 - Earlham Street East	530139	181178	Roadside	Y	2	0.5	2.5	NO_2	N
CAM253	Canal Location 1 - Rossendale Way	529497	183948	Roadside	Y	6.5	20	2.5	NO_2	N
CAM254	Canal Location 2 - Belsize primary School	529660	183797	Roadside	Y	<1	42.5	2.5	NO_2	N
CAM255	Canal Location 3 - Temple	529698	183770	Roadside	Y	6	49	2.5	NO_2	N
CAM256	Canal Location 4 - Co-op	529748	183733	Roadside	Y	4	22.5	2.5	NO_2	N
CAM257	Canal Location 5 - Granary Square	529988	183524	Roadside	Y	2	79	2.5	NO_2	N
CAM258	Estelle Road	528021	185593	Roadside	Y	5.5	0.5	2.5	NO_2	N
CAM259	Courthorpe Road	527926	185614	Roadside	Y	5	0.5	2.5	NO_2	N
CAM260	Shirlock Road	527865	185604	Roadside	Y	5	0.5	2.5	NO_2	N
CAM261	Kilburn High Road at junction with Kilburn Park Road	525668	183335	Roadside	Y	12.5	6.5	2.5	NO_2	N
CAM262	Kilburn High Road at junction with Oxford Road	525557	183462	Roadside	Y	6	2	2.5	NO_2	N
CAM263	Kilburn High Road opposite Kilburn High Road LO station	525439	183589	Roadside	Y	7	1	2.5	NO_2	N

CAM264	West End Lane (15m down West End Lane from junction with Kilburn High Road)	525381	183708	Roadside	Y	1	0.5	2.5	NO_2	N
CAM265	Kilburn High Road near junction with Victoria Rd. and Quex Rd.	525258	183828	Roadside	Y	6	0.5	2.5	NO_2	N
CAM266	Kilburn High Road between Priory Park Road and The Terrace	525156	183991	Roadside	Y	3	0.5	2.5	NO_2	N
CAM267	Kilburn High Road at junction with Willesden Lane and Gascony Avenue	525077	184067	Roadside	Y	5	0.5	2.5	NO_2	N
CAM268	Kilburn High Road at corner with Grangeway	524998	184185	Roadside	Y	5.5	1	2.5	NO_2	N
CAM269	Kilburn High Road between Buckley Road and Dyne Road	524904	184281	Roadside	Y	4.5	0.5	2.5	NO_2	N
CAM270	Kilburn High Road at junction with Cavendish Rd. & Iverson Rd.	524747	184500	Roadside	Y	3	1	2.5	NO_2	N
CAM271	Kilburn High Road at junction with Exeter Road	524631	184665	Roadside	Y	5	6	2.5	NO_2	N
CAM272	Swain's Lane north at corner of Bisham Gardens	528437	187270	Roadside	Y	6	<0.5	2.5	NO_2	N
CAM273	Swain's Lane south between Hillway and Highgate West Hill	528324	186396	Roadside	Y	8	1	2.5	NO_2	N
CAM274	Dartmouth Park Hill north	528918	186959	Roadside	Y	15	<0.5	2.5	NO_2	N
CAM275	Darmouth Park Hill between Bredgar Road and Hargreave Park	528967	186654	Roadside	Y	6	0.5	2.5	NO_2	N
CAM276	Dartmouth Park Hill south	529025	186145	Roadside	Y	8	<0.5	2.5	NO_2	N

CAM277	Highgate Road north	528364	186173	Roadside	Y	16	1	2.5	NO_2	N
CAM278	Highgate Road south	528763	185546	Roadside	Y	3	0.5	2.5	NO_2	N
CAM279	Gordon House Road	528523	185778	Roadside	Y	3.5	0.5	2.5	NO_2	N
CAM280	Fortess Walk	528939	185366	Roadside	Y	3.5	0.5	2.5	NO_2	N
CAM281	York Rise	528788	186048	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM282	Chetwynd Road east	528924	186085	Roadside	Y	6	0.5	2.5	NO_2	N
CAM283	Cathcart Hill	529119	186219	Roadside	Y	7.5	1	2.5	NO_2	N
CAM284	Junction Road	529179	186011	Roadside	Y	7	0.5	2.5	NO_2	N
CAM285	Fortess Road	529016	185533	Roadside	Y	13	<0.5	2.5	NO_2	N
CAM286	Somers Town 1 - Midland Road/Pancras Road	529885	183280	Roadside	Y	6.5	<0.5	2.5	NO_2	N
CAM287	Somers Town 2 - Chenies Place East	529813	183349	Roadside	Y	7.5	<0.5	2.5	NO_2	N
CAM288	Somers Town 3 - Chenies Place West	529750	183288	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM289	Somers Town 4 - Edith Neville Primary School	529797	183187	Roadside	Y	13	<0.5	2.5	NO_2	N
CAM290	Somers Town 5 - Charrington Street	529641	183282	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM291	Somers Town 6 - Goldington Crescent	529611	183444	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM292	Somers Town 7 - Oakley Square North	529424	183445	Roadside	Y	5.5	<0.5	2.5	NO_2	N
CAM293	Somers Town 8 - Crowndale Centre, Eversholt Street	529224	183362	Roadside	Y	4	<1	2.5	NO_2	N
CAM294	Somers Town 9 - Harrington Square Gardens	529229	183231	Roadside	Y	3.5	0.5	2.5	NO_2	N
CAM295	Somers Town 10 - Oakley Square South	529321	183239	Roadside	Y	18.5	<0.5	2.5	NO_2	N

CAM296	Somers Town 11 - Regent High School, Chalton Street	529527	183264	Roadside	Y	5	<1	2.5	NO_2	N
CAM297	Somers Town 12 - Somers Town Sports Centre, Chalton Street	529601	183148	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM298	Somers Town 13 - St. Aloysius Church, Phoenix Road	529555	182900	Roadside	Y	2.5	<1	2.5	NO_2	N
CAM299	Somers Town 14 - Chalton Street North/Phoenix Road	529717	182992	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM300	Somers Town 15 - Chalton Street South	529815	182830	Roadside	Y	2	<0.5	2.5	NO_2	N
CAM301	Somers Town 16 - Churchway	529802	182703	Roadside	Y	6.5	2	2.5	NO_2	N
CAM302	Somers Town 17 - Ossulston Street South	529949	182798	Roadside	Y	13.5	<0.5	2.5	NO_2	N
CAM303	Somers Town 18 - Levita House	529887	182813	Roadside	Y	15	40	2.5	NO_2	N
CAM304	Somers Town 19 - Ossulston Street North	529786	183038	Roadside		13	<0.5	2.5	NO_2	N
CAM305	Somers Town 20 - Francis Crick Institute/Midland Road	529987	183060	Roadside	Y	20	0.5	2.5	NO_2	N
CAM306	Somers Town 21 - Goods Way	530231	183453	Roadside	Y	41	<0.5	2.5	NO_2	N
CAM307	Agar Grove eastbound	529874	184379	Roadside	Y	4.5	<0.5	2.5	NO_2	N
CAM308	Agar Grove westbound	529515	184274	Roadside	Y	5	<0.5	2.5	NO_2	N
CAM309	Holmes Road	528687	185016	Roadside	Y	2.5	<0.5	2.5	NO_2	N

Figure 1: Camden Council air quality monitoring sites in 2022



1.2 Comparison of Monitoring Results with AQOs

The results presented are after adjustments for "annualisation" and for distance to a location of relevant public exposure (if required), the details of which are described in Appendix A.

Table E. Annual Mean NO_2 Ratified and Bias-adjusted Monitoring Results

Site ID	Site name	Site type	Valid data capture for monitoring period %[(a)]	Valid data capture 2022 %[(b)]	2016	2017	2018	2019	2020	2021	2022
BL0	London Bloomsbury (Russell Square Gardens)	Automatic	-	86.86	**42**	38	36	32	28	27	26
CD1	Swiss Cottage (Finchley Road)	Automatic	-	79.05	**66**	**53**	**54**	**43**	33	**44**	37
CD9	Euston Road	Automatic	-	96.05	**88**	**83**	**82**[c]	**70**	**43**	**48**	**45**
CD010	Camden High Street	Automatic	-	98.85	**-**	**-**	**-**	**-**	**-**	30	29
CA4	Euston Road (retired)	Diffusion tube	-	-	**82.71**	**84.95**[c]	**69.19**	-	-	-	-
CAM70	Euston Road (new)	Diffusion tube	-	75	**-**	**-**	**-**	**70.65**	**53.68**	**56.9**	**50.64**
CAM71	Euston Road LAQN colocation	Diffusion tube	-	41.67	**-**	**-**	**-**	**65.28**	**46.57**	**46.49**	**43.15**
CAM72	St. George's Gardens (retired)	Diffusion tube	-	-	31.31	34.83[c]	26.67	25.22	-	-	-
CAM73	St. George's Gardens East	Diffusion tube	-	83.33	-	-	-	28.31	22.47	17.23	19.21
CAM75	Frognal Way	Diffusion tube	-	83.33	27.91	29.64[c]	22.12	23.34	18.68	15.14	16.35
CAM79	Tavistock Gardens	Diffusion tube	-	75	39.68	**46.18**[c]	35.35	33.90	26.78	22.2	23.91
CAM81	Tottenham Court Road	Diffusion tube	-	75	**83.57**	**74.04**[c]	**65.75**	**62.62**	**43.27**	**44.18**	39.95
CAM77	Swiss Cottage	Diffusion tube	-	75	**73.86**	-	**62.30**[c]	**50.89**	-	-	35.06
CAM74	Kentish Town Road	Diffusion tube	-	91.67	**58.72**	**68.84**[c]	**54.66**	**46.07**	34.23	32.57	28.97
CAM76	47 Fitzjohn's Avenue	Diffusion tube	-	100	**56.38**	**66.27**[c]	**48.13**	**43.51**	34.47	29.75	27.61
CA20	Brill Place (retired)	Diffusion tube	-	-	**47.53**	**52.65**[c]	**41.15**	-	**-**	-	-
CAM78	Brill Place (new)	Diffusion tube	-	100	**-**	**-**	**-**	**44.12**	**43.89**	34.19	33.13
CAM86	Bloomsbury Street	Diffusion tube	-	75	**72.20**	**71.18**[c]	**59.43**	**49.60**	29.52	32.91	30.8
CAM84	Camden Road	Diffusion tube	-	100	**61.74**	**69.30**[c]	**55.57**	**53.69**	**44.26**	36.85	38.08

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM85	Chetwynd Road	Diffusion tube	-	91.67	**41.96**	**50.55**[c]	38.68	36.06	29.97	24.48	25.46
CA25	Emmanuel Primary School (retired)	Diffusion tube	-	-	**52.18**	**50.68**[c]	39.75	-	-	-	-
CAM82	Emmanuel Primary School (new)	Diffusion tube	-	91.67	**-**	**-**	-	38.75	31.80	29.36	29.81
CAM83	Witanhurst Lane	Diffusion tube	-	91.67	**43.11**	**44.91**[c]	37.37	33.26	24.87	22.31	21.95
CAM80	Endsleigh Gardens	Diffusion tube	-	66.67	-	-	-	**49.45**	35.32	34.32	30.15
CAM87	Dartmouth Park Hill	Diffusion tube	-	100	-	-	**42.55**	37.89	28.54	25.83	24.86
CAM88	Acland Burghley School (Burghley Road)	Diffusion tube	-	75	-	-	27.11	28.05	20.44	19.58	20.12
CAM89	Oakford Road	Diffusion tube	-	91.67	-	-	30.51	29.90	23.14	22.85	20.2
CAM121	Haverstock School (Haverstock Hill)	Diffusion tube	-	100	-	-	-	33.06	23.51	20.97	22.04
CAM122	Harmood Street	Diffusion tube	-	66.67	-	-	-	31.74	24.89	20.65	18.49
CAM123	Hartland Road	Diffusion tube	-	100	-	-	-	31.80	26.13	20.65	21.42
CAM124	Hawley Primary School (Hawley Road)	Diffusion tube	-	91.67	-	-	-	**42.93**	34.11	26.78	27.86
CAM125	Kentish Town Road	Diffusion tube	-	100	-	-	-	**45.01**	33.81	27.76	27.98
CAM126	Hawley Crescent	Diffusion tube	-	100	-	-	-	38.89	32.26	25.71	26.4
CAM127	Jamestown Road	Diffusion tube	-	100	-	-	-	38.70	29.87	25.8	22.56
CAM128	Camden High Street (Bridge)	Diffusion tube	-	100	-	-	-	**41.47**	33.09	26.31	27.18
CAM129	Camden High Street (Camden News)	Diffusion tube	-	75	-	-	-	38.81	30.51	29.66	27.79
CAM130	Camden High Street (American Candy)	Diffusion tube	-	91.67	-	-	-	**47.65**	37.79	31.35	30.19
CAM131	Britannia Junction	Diffusion tube	-	100	-	-	-	**53.90**	**40.71**	37.04	36.87
CAM132	Cavendish School (Arlington Road)	Diffusion tube	-	91.67	-	-	-	33.97	26.90	22.71	23.27
CAM133	Holy Trinity & St. Silas School (Hartland Road)	Diffusion tube	-	100	-	-	-	28.09	22.10	17.93	19.94
CAM1	Schools AQ 1 - Lady Somerset Road	Diffusion tube	-	100%	-	-	33.7	31.25	22.74	21.63	19.84
CAM2	Schools AQ 2 - New End/Streatley Place	Diffusion tube	-	83%	-	-	29.57	24.46	18.99	17.25	16.17
CAM3	Schools AQ 3 - New End T-Junction	Diffusion tube	-	83%	-	-	32.16	26.41	20.24	19.07	17.60

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM4	Schools AQ 4 - Savernake Road (Gospel Oak Primary School)	Diffusion tube	-	67%	-	-	30.24	24.44	19.18	18.06	17.98
CAM5	Schools AQ 5 - Rona Road	Diffusion tube	-	58%	-	-	30.58	26.47	20.31	19.34	19.87
CAM6	Schools AQ 6 - South Hampstead High School Junior School	Diffusion tube	-	83%	-	-	-	31.65	23.55	22.37	20.39
CAM7	Schools AQ 7 - Devonshire House Preparatory School	Diffusion tube	-	67%	-	-	-	39.5	30.61	29.19	28.31
CAM8	Schools AQ 8 - University College School Senior School	Diffusion tube	-	83%	-	-	-	29.75	22.69	22	19.85
CAM9	Schools AQ 9 - Christchurch Primary School	Diffusion tube	-	75%	-	-	-	20.9	17.79	16.82	16.13
CAM10	Schools AQ 10 - Princess Road (Primrose Hill School)	Diffusion tube	-	83%	-	-	-	-	23.47	20.19	19.93
CAM11	Schools AQ 11 - Minster Road (Mulberry House School)	Diffusion tube	-	58%	-	-	-	-	-	24.4	23.60
CAM12	Schools AQ 12 - Cliff Villas (Brecknock Primary School)	Diffusion tube	-	83%	-	-	-	-	24.09	21.32	19.88
CAM13	HSS Phase 4&5 1 - Ecole Jeannine Manuel - Bedford Square south (outside school)	Diffusion tube	-	92%	-	-	-	-	-	22.95	22.62
CAM14	HSS Phase 4&5 2 - Ecole Jeannine Manuel - Bedford Avenue between Adeline Place and Morwell Street (LC5)	Diffusion tube	-	100%	-	-	-	-	-	26.2	27.04
CAM15	HSS Phase 4&5 3 - Ecole Jeannine Manuel - Bedford Square north (opposite side to school)	Diffusion tube	-	92%	-	-	-	-	-	24.09	24.31
CAM16	HSS Phase 4&5 4 - Argyle Primary School - Tonbridge Street	Diffusion tube	-	92%	-	-	-	-	-	24.91	24.22

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM17	HSS Phase 4&5 5 - St Mary & St Pancras - Polygon Road	Diffusion tube	-	83%	-	-	-	-	-	22.3	22.76
CAM18	HSS Phase 4&5 6 - St Mary & St Pancras - Phoenix Road	Diffusion tube	-	100%	-	-	-	-	-	23.75	23.68
CAM19	HSS Phase 4&5 7 - St Mary & St Pancras - Aldenham Road	Diffusion tube	-	92%	-	-	-	-	-	22.9	21.92
CAM20	HSS Phase 4&5 8 - Lyndhurst House Prep - Lyndhurst Gardens	Diffusion tube	-	83%	-	-	-	-	-	19.56	19.00
CAM21	HSS Phase 4&5 9 - Lyndhurst House Prep - Wedderburn Road	Diffusion tube	-	100%	-	-	-	-	-	19.26	19.03
CAM22	HSS Phase 4&5 10 - St Christopher's - Belsize Lane	Diffusion tube	-	100%	-	-	-	-	-	19.47	19.48
CAM23	HSS Phase 4&5 11 - St Christopher's - Orman Road	Diffusion tube	-	92%	-	-	-	-	-	20.31	20.99
CAM24	HSS Phase 4&5 12 - Kingsgate Lower school - Liddell Road	Diffusion tube	-	100%	-	-	-	-	-	19.6	19.30
CAM25	HSS Phase 4&5 13 - Kingsgate Lower school - Iverson Road	Diffusion tube	-	83%	-	-	-	-	-	24.24	24.56
CAM26	HSS Phase 4&5 14 - Kingsgate Lower school - Ariel Road	Diffusion tube	-	92%	-	-	-	-	-	21.92	21.30
CAM27	HSS Phase 4&5 15 - Kentish Town CofE - Islip Street	Diffusion tube	-	75%	-	-	-	-	-	20.11	19.05
CAM28	HSS Phase 4&5 16 - Kentish Town CofE - Caversham Road	Diffusion tube	-	25%	-	-	-	-	-	18.98	21.69
CAM29	HSS Phase 4&5 17 - Kentish Town CofE - Gaisford Street	Diffusion tube	-	100%	-	-	-	-	-	19.7	19.86

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM30	HSS Phase 4&5 18 - Christopher Hatton - Mount Pleasant	Diffusion tube	-	92%	-	-	-	-	-	33.33	33.70
CAM31	HSS Phase 4&5 19 - Brookfield School - Croftdown Road	Diffusion tube	-	92%	-	-	-	-	-	18.4	17.78
CAM32	HSS Phase 4&5 20 - Brookfield School - Chester Road	Diffusion tube	-	100%	-	-	-	-	-	22.79	21.61
CAM33	HSS Phase 4&5 21 - Brookfield School - Bramshill Gardens	Diffusion tube	-	100%	-	-	-	-	-	17.61	16.48
CAM34	HSS Phase 4&5 22 - Christ Church School - Redhill Street	Diffusion tube	-	100%	-	-	-	-	-	19.51	19.33
CAM35	HSS Phase 4&5 23 - Christ Church School - Redhill Street	Diffusion tube	-	100%	-	-	-	-	-	22.86	21.93
CAM36	HSS Phase 4&5 24 - Beckford School - Dornfell Street	Diffusion tube	-	100%	-	-	-	-	-	21.21	19.80
CAM37	HSS Phase 4&5 25 - Beckford School - Sumatra Road	Diffusion tube	-	92%	-	-	-	-	-	21.36	19.20
CAM38	HSS Phase 4&5 26 - Beckford School - Ravenshaw Road	Diffusion tube	-	100%	-	-	-	-	-	20.9	20.01
CAM39	HSS Phase 4&5 27 - Broadhurst School - Greencroft Gardens	Diffusion tube	-	92%	-	-	-	-	-	21.08	19.79
CAM40	HSS Phase 4&5 28 - St Patricks - Raglan Street	Diffusion tube	-	100%	-	-	-	-	-	18.46	18.58
CAM41	HSS Phase 4&5 29 - St Patricks - Inkerman Road	Diffusion tube	-	92%	-	-	-	-	-	18.73	18.78
CAM42	HSS Phase 3 1 - Camden School for Girls - Sandall Road	Diffusion tube	-	83%	-	-	-	-	-	22.11	20.24
CAM43	HSS Phase 3 2 - Hampstead Parochial and UCS Junior - Holly Bush Vale	Diffusion tube	-	100%	-	-	-	-	-	19.46	19.54

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM44	HSS Phase 3 3 - Rhyl Primary School - Marsden Street	Diffusion tube	-	92%	-	-	-	-	-	19.27	19.31
CAM45	HSS Phase 3 4 - Haverstock School - Crogsland Road south	Diffusion tube	-	92%	-	-	-	-	-	23.4	23.43
CAM46	HSS Phase 3 5 - Netley Primary School - William Road	Diffusion tube	-	100%	-	-	-	-	-	23.76	22.87
CAM47	Farringdon 1 - Acton Street	Diffusion tube	-	83%	-	-	**55.49**	**48.27**	30.91	34.82	32.26
CAM48	Farringdon 2 - Frederick Street	Diffusion tube	-	67%	-	-	38.97	32.93	23.97	23.88	24.48
CAM49	Farringdon 3 - Calthorpe Street	Diffusion tube	-	67%	-	-	**43.12**	37.79	25.98	24.07	27.77
CAM50	Farringdon 4 - Grays Inn Road/Calthorpe Street	Diffusion tube	-	83%	-	-	**51.12**	**46.62**	27.96	29.35	29.69
CAM51	Farringdon 5 - Ray Street/Herbal Hill	Diffusion tube	-	83%	-	-	39.14	33.42	22.9	23.04	22.53
CAM52	Farringdon 6 - Summers Street	Diffusion tube	-	50%	-	-	37.17	32.7	23.77	22.22	23.46
CAM53	Farringdon 7 - Lloyd Baker Street	Diffusion tube	-	42%	-	-	**42.8**	37.01	26.27	25.09	23.85
CAM54	Farringdon 8 - Warner Street	Diffusion tube	-	67%	-	-	**42.98**	36.01	24.66	23.9	24.95
CAM55	Farringdon 9 - Grays Inn Road North	Diffusion tube	-	83%	-	-	-	-	28.35	30.11	30.21
CAM56	Farringdon 10 - Grays Inn Road/Wren Street	Diffusion tube	-	83%	-	-	-	-	25.57	24.26	23.08
CAM57	Farringdon 11 - Grays Inn Road South	Diffusion tube	-	67%	-	-	-	-	27	27.17	29.55
CAM58	Grays Inn Road South 1 - Northington Street / King's Mews	Diffusion tube	-	92%	-	-	-	-	-	23.53	24.59
CAM59	Grays Inn Road South 2 - John Street	Diffusion tube	-	100%	-	-	-	-	-	25.29	26.31
CAM60	Grays Inn Road South 3 - Roger Street	Diffusion tube	-	83%	-	-	-	-	-	27.86	30.53
CAM61	Grays Inn Road South 4 - Elm Street	Diffusion tube	-	100%	-	-	-	-	-	27.3	28.69
CAM62	Prince of Wales 1 - Malden Road north	Diffusion tube	-	83%	-	-	**49.8**	**42.59**	-	30.21	29.13
CAM63	Prince of Wales 2 - Prince of Wales Road/Truro Street	Diffusion tube	-	75%	-	-	35.1	33.72	21.93	22.49	20.67

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM64	Prince of Wales 3 - Prince of Wales Road/Haverstock Hill	Diffusion tube	-	83%	-	-	38.26	36.59	22.05	23.53	22.49
CAM65	Prince of Wales 4 - Crogsland Road	Diffusion tube	-	83%	-	-	35.61	33.06	21.59	20.41	21.35
CAM66	Prince of Wales 5 - Malden Crescent	Diffusion tube	-	83%	-	-	38.45	34.47	23.7	24.46	23.62
CAM67	Prince of Wales 6 - Prince of Wales Road/Malden Road	Diffusion tube	-	83%	-	-	**46.54**	**41.21**	26.66	30.32	28.55
CAM68	Prince of Wales 7 - Harmood Street	Diffusion tube	-	50%	-	-	36.54	32.23	21.65	21.67	22.79
CAM69	Prince of Wales 8 - Prince of Wales Road/Grafton Road	Diffusion tube	-	83%	-	-	**45.92**	**39.14**	25.47	27.14	26.00
CAM90	Pratt-Delancey 1 - Pratt Street (between College Place and Royal College Street)	Diffusion tube	-	100%	-	-	-	32.25	24.62	23.81	22.57
CAM91	Pratt-Delancey 2 - Pratt Street (between Bayham Street and Camden Street)	Diffusion tube	-	92%	-	-	-	33.38	28.15	24.05	23.06
CAM92	Pratt-Delancey 3 - Bayham Street	Diffusion tube	-	100%	-	-	-	**57.88**	**47.58**	39.85	36.05
CAM93	Pratt-Delancey 4 - Greenland Street	Diffusion tube	-	100%	-	-	-	39.78	32.34	27.88	28.48
CAM94	Pratt-Delancey 5 - Delancey Street/Delancey Passage	Diffusion tube	-	92%	-	-	-	34.5	27.32	31.8	28.33
CAM95	Pratt-Delancey 6 - Arlington Road (south of Delancey Street)	Diffusion tube	-	75%	-	-	-	31.88	25.98	23.38	22.70
CAM96	Pratt-Delancey 7 - Arlington Road (north of Delancey Street))	Diffusion tube	-	92%	-	-	-	34.03	27.27	25.03	23.38
CAM97	Pratt-Delancey 8 - Albert Street (south of Delancey Street)	Diffusion tube	-	100%	-	-	-	33.06	25.61	23.98	23.41
CAM98	Pratt-Delancey 9 - Delancey Street/Albert Street	Diffusion tube	-	83%	-	-	-	**42.99**	34.65	31.28	31.87
CAM99	Pratt-Delancey 10 - Albert Street (north of Delancey Street)	Diffusion tube	-	100%	-	-	-	29.72	23.1	21.68	20.27
CAM100	Pratt-Delancey 11 - Delancey Street/Parkway	Diffusion tube	-	100%	-	-	-	35.61	29.24	30.08	26.98

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM101	Pratt-Delancey 12 - Parkway/A4201	Diffusion tube	-	83%	-	-	-	**46.32**	38.58	36.17	32.88
CAM102	Pratt-Delancey 13 - Gloucester Gate	Diffusion tube	-	100%	-	-	-	35.01	31.47	28.49	26.71
CAM103	Pratt-Delancey 14 - North Bridge School	Diffusion tube	-	100%	-	-	-	**41.85**	35.74	30.81	29.97
CAM104	Pratt-Delancey 15 - Gloucester Avenue	Diffusion tube	-	92%	-	-	-	31.04	27.56	24.66	23.26
CAM105	Pratt-Delancey 16 - Parkway	Diffusion tube	-	92%	-	-	-	**41.99**	35.9	33.98	31.04
CAM106	Camden Square 1 - Murray Street	Diffusion tube	-	100%	-	-	-	30.49	-	20.87	18.93
CAM107	Camden Square 2 - Camden Square East	Diffusion tube	-	100%	-	-	-	29.02	-	20.32	19.52
CAM108	Camden Square 3 - Camden Terrace	Diffusion tube	-	83%	-	-	-	29.46	-	20.59	19.29
CAM109	Camden Square 4 - North Villas	Diffusion tube	-	92%	-	-	-	31.17	-	20.67	20.16
CAM110	Camden Square 5 - St. Augustine's Road	Diffusion tube	-	92%	-	-	-	31.26	-	21.49	20.51
CAM111*	Belsize Park/Swiss Cottage 1 - Maresfield Gardens/Nutley Terrace	Diffusion tube	-		-	-	-	27.57	-	-	-
CAM112*	Belsize Park/Swiss Cottage 2 - Belsize Lane /Fitzjohn's Avenue	Diffusion tube	-		-	-	-	**40.11**	-	-	-
CAM113*	Belsize Park/Swiss Cottage 3 - Hilgrove Estate	Diffusion tube	-		-	-	-	28.66	-	-	-
CAM114*	Belsize Park/Swiss Cottage 4 - Winchester Road	Diffusion tube	-		-	-	-	36.15	-	-	-
CAM115*	Belsize Park/Swiss Cottage 5 - Eton Avenue	Diffusion tube	-		-	-	-	29.7	-	-	-
CAM116*	Belsize Park/Swiss Cottage 6 - Adelaide Road	Diffusion tube	-		-	-	-	33.15	-	-	-
CAM117*	Belsize Park/Swiss Cottage 7 - England's Lane	Diffusion tube	-		-	-	-	38	-	-	-
CAM118*	Belsize Park/Swiss Cottage 8 - Belsize Avenue/Belsize Park Gardens	Diffusion tube	-		-	-	-	31.92	-	-	-
CAM119*	Belsize Park/Swiss Cottage 9 - Haverstock Hill	Diffusion tube	-		-	-	-	**40.39**	-	-	-
CAM120*	Belsize Park/Swiss Cottage 10 - Pond Street/Fleet Road	Diffusion tube	-		-	-	-	**44.99**	-	-	-
CAM134	Chalk Farm Road 1 - Regent's Park Road	Diffusion tube	-	92%	-	-	-	31.43	22.15	20.87	21.46
CAM135	Chalk Farm Road 2 - Chalk Farm Road	Diffusion tube	-	92%	-	-	-	**42.38**	33.28	27.11	26.69

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM136	Chalk Farm Road 3 - Ferdinand Street	Diffusion tube	-	83%	-	-	-	36.73	30.33	29.4	27.76
CAM137	Chalk Farm Road 4 - Hartland Road	Diffusion tube	-	92%	-	-	-	33.72	25.18	22.66	22.76
CAM138	Haverstock Hill 1 - Haverstock Hill northbound	Diffusion tube	-	67%	-	-	-	-	30.83	30.93	32.10
CAM139	Haverstock Hill 2 - Haverstock Hill southbound	Diffusion tube	-	75%	-	-	-	-	32.23	37.29	34.53
CAM140	Haverstock Hill 3 - Glenloch Road	Diffusion tube	-	83%	-	-	-	-	22.51	21.83	20.65
CAM141	Haverstock Hill 4 - Haverstock Hill (between Upper Park Road and Downside Crescent)	Diffusion tube	-	75%	-	-	-	-	26.53	26.32	26.32
CAM142	St. Pancras Way 1 - St. Pancras Way south	Diffusion tube	-	83%	-	-	-	-	-	28.34	25.39
CAM143	St. Pancras Way 2 - Junction of St. Pancras Way and Pratt Street	Diffusion tube	-	83%	-	-	-	-	27.64	25.14	24.76
CAM144	St. Pancras Way 3 - St. Pancras Way adjacent to Caulfield Ct.	Diffusion tube	-	17%	-	-	-	-	-	26.99	-
CAM145	St. Pancras Way 4 - St. Pancras Way adjacent to Camden Courtyards	Diffusion tube	-	75%	-	-	-	-	-	27.2	26.39
CAM146	St. Pancras Way 5 - Camden Street	Diffusion tube	-	83%	-	-	-	-	23.37	23.15	21.53
CAM147	York Way 1 - York Way near junction with Camden Park Road	Diffusion tube	-	75%	-	-	-	-	32.25	32.04	29.04
CAM148	York Way 2 - York Way Sainsbury's Local	Diffusion tube	-	75%	-	-	-	-		36.39	31.92
CAM149	York Way 3 - York Way Art House	Diffusion tube	-	75%	-	-	-	-	29.66	31.45	28.66
CAM150	Queens Crescent 1 - Junction of Queens Crescent and Allcroft Road	Diffusion tube	-	75%	-	-	-	-	-	21.21	20.08
CAM151	Queens Crescent 2 - Gilden Crescent	Diffusion tube	-	92%	-	-	-	-	-	20.46	19.98
CAM152	Queens Crescent 3 - Junction of Grafton Road and Vicar's Road	Diffusion tube	-	100%	-	-	-	-	-	21.39	21.51
CAM153	Queens Crescent 4 - Grafton Road south of Queens Crescent	Diffusion tube	-	100%	-	-	-	-	-	20.08	20.13

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM154	Queens Crescent 5 - Spring Place south of Arctic Street	Diffusion tube	-	100%	-	-	-	-	-	21.28	20.93
CAM155	Queens Crescent 6 - Holmes Road outside St. Patrick's Catholic Primary School	Diffusion tube	-	92%	-	-	-	-	-	20.97	20.11
CAM156	Queens Crescent 7 - Malden Road outside St. Dominic Primary School	Diffusion tube	-	100%	-	-	-	-	-	25.06	26.10
CAM157	Queens Crescent 8 - Malden Road at the junction with Marsden Street	Diffusion tube	-	83%	-	-	-	-	-	21.29	22.44
CAM158	Queens Crescent 9 - Rhyl Street outside Rhyl Primary School	Diffusion tube	-	92%	-	-	-	-	-	18.27	19.53
CAM159	Queens Crescent 10 - Weedington Road south of Queens Crescent	Diffusion tube	-	100%	-	-	-	-	-	20.02	20.05
CAM160	Queens Crescent 11 - Junction of Wilkin Street and Talacre Road	Diffusion tube	-	83%	-	-	-	-	-	17.06	19.61
CAM161	Camden Park Road / Torriano Avenue 1 - Torriano Avenue outside Torriano Primary School	Diffusion tube	-	83%	-	-	-	-	-	21.47	20.78
CAM162	Camden Park Road / Torriano Avenue 2 - Camden Park Road between South Villas and North Villas	Diffusion tube	-	75%	-	-	-	-	-	26.14	24.71
CAM163	Baynes Street (opposite K&I Kitchens)	Diffusion tube	-	58%	-	-	-	-	-	21.28	22.77
CAM164	Randolph Street	Diffusion tube	-	75%	-	-	-	-	-	26.22	24.48
CAM165	Royal College Street near junction with Georgiana Street	Diffusion tube	-	75%	-	-	-	-	-	27.07	26.48
CAM166	Crowndale Road (opposite junction with Bayham Street)	Diffusion tube	-	83%	-	-	-	-	-	**42.58**	**40.69**
CAM167	King Henry's Road 1 - Adelaide Road between Elsworthy Rise and Primrose Hill	Diffusion tube	-	100%	-	-	-	-	-	33.59	38.92

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM168	King Henry's Road 2 - Adelaide Road/B509 UCL Academy	Diffusion tube	-	92%	-	-	-	-	-	31.14	33.83
CAM169	King Henry's Road 3 - Avenue Road	Diffusion tube	-	92%	-	-	-	-	-	26.47	26.06
CAM170	King Henry's Road 4 - Queens Grove	Diffusion tube	-	92%	-	-	-	-	-	22.59	21.38
CAM171	King Henry's Road 5 - Elsworthy Road between Avenue Road and Wadham Gardens	Diffusion tube	-	92%	-	-	-	-	-	25.47	24.54
CAM172	King Henry's Road 6 - Elsworthy Road between Lower Merton Rise and Elsworthy Terrace	Diffusion tube	-	92%	-	-	-	-	-	21.6	19.56
CAM173	King Henry's Road 7 - Elsworthy Road between Elsworth Rise and Primrose Hill Road	Diffusion tube	-	83%	-	-	-	-	-	21.78	19.07
CAM174	King Henry's Road 8 - King Henry's Road between Adelaide Road and Harley Road	Diffusion tube	-	100%	-	-	-	-	-	27.78	29.24
CAM175	King Henry's Road 9 - King Henry's Road between Lyttleton Close and Lower Merton Rise	Diffusion tube	-	92%	-	-	-	-	-	24.26	22.76
CAM176	King Henry's Road 10 - King Henry's Road between Quickswood and Primrose Hill Road	Diffusion tube	-	92%	-	-	-	-	-	23.96	22.28
CAM177	King Henry's Road 11 - King Henry's Road east of Primrose Hill Road	Diffusion tube	-	100%	-	-	-	-	-	23	22.13
CAM178	King Henry's Road 12 - Primrose Hill Road between Elsworthy Road and Oppidans Road	Diffusion tube	-	92%	-	-	-	-	-	25.03	21.98
CAM179	Torrington-Tavistock/Midland-Judd 1 - Herbrand Street	Diffusion tube	-		-	-	**53.4**	**49.02**	34.71	-	-
CAM180	Torrington-Tavistock/Midland-Judd 2 - Guildford Street (west end)	Diffusion tube	-		-	-	**56.93**	**54.13**	36.64	-	-
CAM181	Torrington-Tavistock/Midland-Judd 3 - Bernard Street	Diffusion tube	-		-	-	**43.16**	**41.53**	31.02	-	-
CAM182	Torrington-Tavistock/Midland-Judd 4 - Grenville Street	Diffusion tube	-	100%	-	-	**45.73**	**43.83**	31.97	27.61	29.57

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM183	Torrington-Tavistock/Midland-Judd 5 - Russell Square south	Diffusion tube	-		-	-	**45.65**	**41.53**	29.93	-	-
CAM184	Torrington-Tavistock/Midland-Judd 6 - Russell Square nouth	Diffusion tube	-		-	-	**53.78**	**46.98**	31.62	-	-
CAM185	Torrington-Tavistock/Midland-Judd 7 - Woburn Place	Diffusion tube	-		-	-	**70.46**	**64.49**	**43.26**	-	-
CAM186	Torrington-Tavistock/Midland-Judd 8 - Bedford Way	Diffusion tube	-		-	-	**51.49**	**49.25**	34.82	-	-
CAM187	Torrington-Tavistock/Midland-Judd 9 - Montague Place	Diffusion tube	-		-	-	**42.69**	**40.69**	29.53	-	-
CAM188	Torrington-Tavistock/Midland-Judd 10 - Keppel Street	Diffusion tube	-		-	-	**45.57**	**38.82**	25.42	-	-
CAM189	Torrington-Tavistock/Midland-Judd 11 - Tavistock Place	Diffusion tube	-	83%	-	-	**46.58**	39.95	32.22	29.64	29.67
CAM190	Torrington-Tavistock/Midland-Judd 12 - Coram Street	Diffusion tube	-		-	-	**49.73**	**45.74**	37.09	-	-
CAM191	Torrington-Tavistock/Midland-Judd 13 - Marchmont Street	Diffusion tube	-		-	-	**45.55**	**40.05**	32.09	-	-
CAM192	Torrington-Tavistock/Midland-Judd 14 - Hunter Street	Diffusion tube	-		-	-	**52.22**	**41.05**	30.41	-	-
CAM193	Torrington-Tavistock/Midland-Judd 15 - Handel Street	Diffusion tube	-		-	-	**41.26**	36.2	26.79	-	-
CAM194	Torrington-Tavistock/Midland-Judd 16 - Tavistock Place/Regent's Square	Diffusion tube	-	92%	-	-	**48.34**	**41.15**	28.63	27.95	26.66
CAM195	Torrington-Tavistock/Midland-Judd 17 - Marchmont Street	Diffusion tube	-		-	-	**46.2**	37.89	32.3	-	-

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM196	Torrington-Tavistock/Midland-Judd 18 - Leigh Street	Diffusion tube	-	100%	-	-	**46.69**	38.61	30.07	27.2	26.21
CAM197	Torrington-Tavistock/Midland-Judd 19 - Sandwich Street	Diffusion tube	-		-	-	**43.54**	36.89	27.54	-	-
CAM198	Torrington-Tavistock/Midland-Judd 20 - Hastings Street	Diffusion tube	-		-	-	**42.6**	37.74	26.85	-	-
CAM199	Torrington-Tavistock/Midland-Judd 21 - Judd Street	Diffusion tube	-		-	-	**53.85**	**42.17**	31.74	-	-
CAM200	Torrington-Tavistock/Midland-Judd 22 - Midland Road	Diffusion tube	-	92%	-	-	**71.2**	**57.86**	39.85	35.17	35.09
CAM201	Torrington-Tavistock/Midland-Judd 23 - Bidborough Street	Diffusion tube	-		-	-	**48.48**	**41.84**	28.07	-	-
CAM202	Torrington-Tavistock/Midland-Judd 24 - Mabledon Place	Diffusion tube	-		-	-	**57.55**	**47.56**	36.25	-	-
CAM203	Torrington-Tavistock/Midland-Judd 25 - Duke's Road	Diffusion tube	-		-	-	**50.38**	**42.3**	31	-	-
CAM204	Torrington-Tavistock/Midland-Judd 26 - Upper Woburn Place	Diffusion tube	-	100%	-	-	**68.26**	**59.37**	**43.16**	37.01	37.27
CAM205	Torrington-Tavistock/Midland-Judd 27 - Endsleigh Street	Diffusion tube	-		-	-	**50.69**	**44.64**	33.24	-	-
CAM206	Torrington-Tavistock/Midland-Judd 28 - Gower Place	Diffusion tube	-		-	-		**47.88**	32.47	-	-
CAM207	Torrington-Tavistock/Midland-Judd 29 - Cleveland Street	Diffusion tube	-		-	-		39.03	28.36	-	-
CAM208	Torrington-Tavistock/Midland-Judd 30 - Guildford Street	Diffusion tube	-		-	-	**45.54**	**46.49**	31.39	-	-
CAM209	Torrington-Tavistock/Midland-Judd 31 - Bloomsbury Square	Diffusion tube	-		-	-	**71.25**	**60.36**	**40.34**	-	-

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM210	Torrington-Tavistock/Midland-Judd 32 - St. Joseph's Roman Catholic Primary School (Macklin Street)	Diffusion tube	-		-	-	37.27	36.26	25.42	-	-
CAM211	Torrington-Tavistock/Midland-Judd 33 - High Holborn (174-177)	Diffusion tube	-		-	-	**58.48**	**54.81**	35.46	-	-
CAM212	Torrington-Tavistock/Midland-Judd 34 - Southampton Row	Diffusion tube	-		-	-	**56.02**	**51.48**	33.98	-	-
CAM213	Torrington-Tavistock/Midland-Judd 35 - High Holborn (199-206)	Diffusion tube	-		-	-	**58.99**	**50.14**	33.17	-	-
CAM214	Torrington-Tavistock/Midland-Judd 36 - Great Russell Street	Diffusion tube	-		-	-	**52.36**	**44.64**	29.57	-	-
CAM215	Torrington-Tavistock/Midland-Judd 37 - UCL Department of Chemistry - Christopher Ingold Building (Gordon Street)	Diffusion tube	-		-	-	**44.12**	**40.04**	31.17	-	-
CAM216	WEP 1 - Warren Street (5)	Diffusion tube	-		-	-	**55.99**	**53.8**	**50.93**	31.36	-
CAM217	WEP 2 - Grafton Way (40)	Diffusion tube	-		-	-	**57.56**	**54.1**	**42.19**	35.13	-
CAM218	WEP 3 - Tottenham Court Road (188)	Diffusion tube	-		-	-	**50.39**	-	-	-	-
CAM219	WEP 4 - Woburn Mansions (30 Torrington Place)	Diffusion tube	-		-	-	**42.6**	**42.6**	31.57	31.38	-
CAM220	WEP 5 - Tottenham Court Road (216)	Diffusion tube	-		-	-	**57.75**	-	-	-	-
CAM221	WEP 6 - Alfred Place (9)	Diffusion tube	-		-	-	38.46	35.5	27.99	26.96	-
CAM222	WEP 7 - Charlotte Street (12)	Diffusion tube	-		-	-	39.7	36.4	28.3	26.1	-
CAM223	WEP 8 - Tottenham Court Road (24-27)	Diffusion tube	-		-	-	**69.44**	**71.8**	**55.42**	**42.02**	-
CAM224	WEP 9 - Tottenham Court Road (279)	Diffusion tube	-		-	-	**70.66**	-	-	-	-
CAM225	WEP 10 - Denmark Street (5)	Diffusion tube	-		-	-	**71.59**	**67.2**	**45.35**	30.63	-
CAM226	WEP 11 - Shaftesbury Avenue (109)	Diffusion tube	-		-	-	**64.71**	**56.5**	33.81	39.55	-
CAM227	WEP 12 - Bloomsbury Street (1)	Diffusion tube	-		-	-	**92.31**	**77.5**	36.93	**43.92**	-
CAM228	WEP 13 - Bedford Square (7A)	Diffusion tube	-		-	-	**64.88**	**50.5**	28.04	30.77	-

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM229	WEP 14 - Gower Street (89)	Diffusion tube	-		-	-	**57.51**	**45.7**	26.95	32.03	-
CAM230	WEP 15 - Gower Street (136)	Diffusion tube	-		-	-	**64.31**	**55.1**	32.34	32.1	-
CAM231	WEP 16 - Gordon Street (20)	Diffusion tube	-		-	-	**43.71**	**40.3**	31.46	30.56	-
CAM232	WEP 17 - Euston Road (137)	Diffusion tube	-		-	-	**74.74**	**69.6**	**47.21**	**46.08**	-
CAM233	WEP 18 - Bedford Square (41)	Diffusion tube	-		-	-	**46.55**	39.8	27.89	26.02	-
CAM234	WEP 19 - Monmouth Street (25)	Diffusion tube	-		-	-	-	**46.1**	28	25.31	-
CAM235	WEP 20 - Monmouth Street (30)	Diffusion tube	-		-	-	-	**44.6**	29.84	30.49	-
CAM236	WEP 21 - Tottenham Court Road (185-186)	Diffusion tube	-		-	-	-	**55.5**	**40.05**	38.09	-
CAM237	WEP 22 - Tottenham Court Road (55)	Diffusion tube	-		-	-	-	**62**	**51.21**	**48.65**	-
CAM238	WEP 23 - Tottenham Court Road (279)	Diffusion tube	-		-	-	-	**57.8**	**47.93**	**43.47**	-
CAM239	WEP 24 - Tower Street	Diffusion tube	-		-	-	-	-	-	26.35	-
CAM240	WEP 25 - Neal Street	Diffusion tube	-		-	-	-	-	-	27.11	-
CAM241	Shaftesbury 1 - Shelton Street	Diffusion tube	-	100%	-	-	-	-	34.2	33.1	31.31
CAM242	Shaftesbury 2 - Mercer Street South	Diffusion tube	-	92%	-	-	-	-	32.09	27.94	28.48
CAM243	Shaftesbury 3 - Monmouth Street South	Diffusion tube	-	83%	-	-	-	-	30.25	27.09	26.75
CAM244	Shaftesbury 4 - Tower Street	Diffusion tube	-	100%	-	-	-	-	30.98	25.03	26.86
CAM245	Shaftesbury 5 - Earlham Street West	Diffusion tube	-	100%	-	-	-	-	35.88	30.21	31.03
CAM246	Shaftesbury 6 - Shaftesbury Avenue South	Diffusion tube	-	100%	-	-	-	-	**46.33**	38.14	43.90
CAM247	Shaftesbury 7 - Mercer Street North	Diffusion tube	-	92%	-	-	-	-	31.25	25.74	26.60
CAM248	Shaftesbury 8 - Shaftesbury Avenue North	Diffusion tube	-	100%	-	-	-	-	**44.43**	37.9	**42.63**
CAM249	Shaftesbury 9 - Monmouth Street North	Diffusion tube	-	75%	-	-	-	-	29.42	26.78	28.39
CAM250	Shaftesbury 10 - Neal Street	Diffusion tube	-	100%	-	-	-	-	26.74	23.68	25.51
CAM251	Shaftesbury 11 - Shorts Gardens	Diffusion tube	-	100%	-	-	-	-	29.28	23.91	26.55
CAM252	Shaftesbury 12 - Earlham Street East	Diffusion tube	-	100%	-	-	-	-	27.67	25.18	25.59
CAM253	Canal Location 1 - Rossendale Way	Diffusion tube	-	25%	-	-	-	-	-	21.78	21.00

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM254	Canal Location 2 - Belsize primary School	Diffusion tube	-	92%	-	-	-	-	-	19.85	21.50
CAM255	Canal Location 3 - Temple	Diffusion tube	-	92%	-	-	-	-	-	19	19.95
CAM256	Canal Location 4 - Co-op	Diffusion tube	-	100%	-	-	-	-	-	22.12	19.86
CAM257	Canal Location 5 - Granary Square	Diffusion tube	-	83%	-	-	-	-	-	23.42	23.59
CAM258	Estelle Road	Diffusion tube	-	100%	-	-	-	-	-	16.57	17.97
CAM259	Courthorpe Road	Diffusion tube	-	100%	-	-	-	-	-	17.55	17.62
CAM260	Shirlock Road	Diffusion tube	-	100%	-	-	-	-	-	17.24	17.78
CAM261	Kilburn High Road at junction with Kilburn Park Road	Diffusion tube	-	92%	-	-	-	-	-	25.64	24.85
CAM262	Kilburn High Road at junction with Oxford Road	Diffusion tube	-	92%	-	-	-	-	-	28.22	28.67
CAM263	Kilburn High Road opposite Kilburn High Road LO station	Diffusion tube	-	83%	-	-	-	-	-	**50.98**	**50.93**
CAM264	West End Lane (15m down West End Lane from junction with Kilburn High Road)	Diffusion tube	-	83%	-	-	-	-	-	30.93	30.58
CAM265	Kilburn High Road near junction with Victoria Rd. and Quex Rd.	Diffusion tube	-	58%	-	-	-	-	-	**42.83**	**49.99**
CAM266	Kilburn High Road between Priory Park Road and The Terrace	Diffusion tube	-	100%	-	-	-	-	-	**42.26**	**45.58**
CAM267	Kilburn High Road at junction with Willesden Lane and Gascony Avenue	Diffusion tube	-	58%	-	-	-	-	-	**43.69**	**45.29**
CAM268	Kilburn High Road at corner with Grangeway	Diffusion tube	-	100%	-	-	-	-	-	29.98	31.41
CAM269	Kilburn High Road between Buckley Road and Dyne Road	Diffusion tube	-	83%	-	-	-	-	-	37.84	**40.87**
CAM270	Kilburn High Road at junction with Cavendish Rd. & Iverson Rd.	Diffusion tube	-	58%	-	-	-	-	-	**43.84**	35.22
CAM271	Kilburn High Road at junction with Exeter Road	Diffusion tube	-	92%	-	-	-	-	-	35.67	36.19

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM272	Swain's Lane north at corner of Bisham Gardens	Diffusion tube	-	100%	-	-	-	-	-	23.31	19.49
CAM273	Swain's Lane south between Hillway and Highgate West Hill	Diffusion tube	-	100%	-	-	-	-	-	22.07	21.56
CAM274	Dartmouth Park Hill north	Diffusion tube	-	100%	-	-	-	-	-	24.22	20.70
CAM275	Darmouth Park Hill between Bredgar Road and Hargreave Park	Diffusion tube	-	100%	-	-	-	-	-	24.85	23.18
CAM276	Dartmouth Park Hill south	Diffusion tube	-	100%	-	-	-	-	-	26.56	25.26
CAM277	Highgate Road north	Diffusion tube	-	92%	-	-	-	-	-	**41.69**	31.46
CAM278	Highgate Road south	Diffusion tube	-	92%	-	-	-	-	-	27.36	26.77
CAM279	Gordon House Road	Diffusion tube	-	100%	-	-	-	-	-	28.73	27.08
CAM280	Fortess Walk	Diffusion tube	-	75%	-	-	-	-	-	27.21	26.23
CAM281	York Rise	Diffusion tube	-	100%	-	-	-	-	-	21.02	20.05
CAM282	Chetwynd Road east	Diffusion tube	-	100%	-	-	-	-	-	24.91	23.48
CAM283	Cathcart Hill	Diffusion tube	-	100%	-	-	-	-	-	21.62	20.77
CAM284	Junction Road	Diffusion tube	-	83%	-	-	-	-	-	26.97	26.03
CAM285	Fortess Road	Diffusion tube	-	100%	-	-	-	-	-	25.29	25.18
CAM286	Somers Town 1 - Midland Road/Pancras Road	Diffusion tube	-	92%	-	-	-	-	-	-	38.49
CAM287	Somers Town 2 - Chenies Place East	Diffusion tube	-	92%	-	-	-	-	-	-	25.91
CAM288	Somers Town 3 - Chenies Place West	Diffusion tube	-	83%	-	-	-	-	-	-	20.91
CAM289	Somers Town 4 - Edith Neville Primary School	Diffusion tube	-	92%	-	-	-	-	-	-	22.36
CAM290	Somers Town 5 - Charrington Street	Diffusion tube	-	92%	-	-	-	-	-	-	20.34
CAM291	Somers Town 6 - Goldington Crescent	Diffusion tube	-	92%	-	-	-	-	-	-	20.76
CAM292	Somers Town 7 - Oakley Square North	Diffusion tube	-	92%	-	-	-	-	-	-	25.29
CAM293	Somers Town 8 - Crowndale Centre, Eversholt Street	Diffusion tube	-	92%	-	-	-	-	-	-	28.39
CAM294	Somers Town 9 - Harrington Square Gardens	Diffusion tube	-	92%	-	-	-	-	-	-	27.41

Site ID	Site name	Site type	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	2016	2017	2018	2019	2020	2021	2022
CAM295	Somers Town 10 - Oakley Square South	Diffusion tube	-	92%	-	-	-	-	-	-	28.00
CAM296	Somers Town 11 - Regent High School, Chalton Street	Diffusion tube	-	92%	-	-	-	-	-	-	20.84
CAM297	Somers Town 12 - Somers Town Sports Centre, Chalton Street	Diffusion tube	-	92%	-	-	-	-	-	-	21.08
CAM298	Somers Town 13 - St. Aloysius Church, Phoenix Road	Diffusion tube	-	92%	-	-	-	-	-	-	23.91
CAM299	Somers Town 14 - Chalton Street North/Phoenix Road	Diffusion tube	-	92%	-	-	-	-	-	-	22.91
CAM300	Somers Town 15 - Chalton Street South	Diffusion tube	-	92%	-	-	-	-	-	-	23.05
CAM301	Somers Town 16 - Churchway	Diffusion tube	-	50%	-	-	-	-	-	-	27.86
CAM302	Somers Town 17 - Ossulston Street South	Diffusion tube	-	92%	-	-	-	-	-	-	25.15
CAM303	Somers Town 18 - Levita House	Diffusion tube	-	92%	-	-	-	-	-	-	23.76
CAM304	Somers Town 19 - Ossulston Street North	Diffusion tube	-	83%	-	-	-	-	-	-	27.53
CAM305	Somers Town 20 - Francis Crick Institute/Midland Road	Diffusion tube	-	92%	-	-	-	-	-	-	32.09
CAM306	Somers Town 21 - Goods Way	Diffusion tube	-	83%	-	-	-	-	-	-	30.48
CAM307	Agar Grove eastbound	Diffusion tube	-	42%	-	-	-	-	-	-	26.59
CAM308	Agar Grove westbound	Diffusion tube	-	42%	-	-	-	-	-	-	25.07
CAM309	Holmes Road	Diffusion tube	-	42%	-	-	-	-	-	-	24.16

Notes:

The annual mean concentrations are presented as µg m^{-3}.

Exceedances of the NO_2 annual mean AQO of 40 µg m^{-3} are shown in **bold**.

NO_2 annual means in excess of 60 µg m^{-3}, indicating a potential exceedance of the NO_2 hourly mean AQS objective are shown in **bold and underlined**.

Means for diffusion tubes have been corrected for bias.

All means have been "annualised" in accordance with LLAQM Technical Guidance if valid data capture for the calendar year is less than 75% and greater than 25%.

Results have been distance corrected where applicable.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Site IDs with an '*' asterisk are those which were part of a community-based monitoring project which was not conducted by Camden Council.

Comments

Camden's long-term and short-term NO_2 monitoring during 2022 showed that NO_2 levels improved at all four automatic monitoring stations in Camden as well as at 16 of the 32 long term diffusion tube monitoring sites in the borough, compared to the previous year. The average reduction in bias-adjusted (and annualised, where necessary) annual mean diffusion tube concentrations is -2% when compared to 2021. It can be assumed that the impact of the COVID-19 pandemic resulted in lower-than-expected NO_2 concentrations in 2021 as fewer people were commuting and travelling in Camden during the national lockdowns. Despite this, the 16 diffusion tube monitoring locations which recorded a higher annual NO_2 concentration in 2022 than the previous year are on average 31% lower than the annual mean for 2019 (pre-pandemic levels).

There are an additional 185 diffusion tube monitoring locations in Camden with data collected in both 2021 and 2022, with 124 of these recording either improved or equivalent NO_2 concentrations in 2022 compared to 2021.

For the third year in a row, no monitoring sites recorded an annual mean above 60µg/m^3, which indicates that the short-term (one-hour) NO_2 objective is likely to have not been exceeded at any of the sites.

Figure 2 below shows the long-term NO_2 trend (as bias-adjusted annual mean averages) at Camden's diffusion tube monitoring sites with continuous data over a longer time-period. The continued reduction in NO_2 concentrations over the past seven years is clear, and several sites that were historically far in exceedance of the legal limit for NO_2 (such as Kentish Town Road, Tottenham Court Road, and Camden Road) are now recording below this level. There has been an average reduction of 45% annual mean NO_2 concentrations since 2016 at these eight monitoring locations. This does not mean that there will be any reduction in effort to improve air quality throughout Camden: The Council's commitment is to realise the community's vision for a borough in which no person experiences ill health because of the air they breathe.

Figure 3 shows annual mean NO_2 concentration as measured at four automatic monitoring sites in Camden, illustrating the long-term reduction in this pollutant and the rebound in NO_2 from 2020 to 2021 as measured at the Euston Road and Swiss Cottage monitoring sites.

Figure 2: Diffusion tube annual mean NO_2 concentration

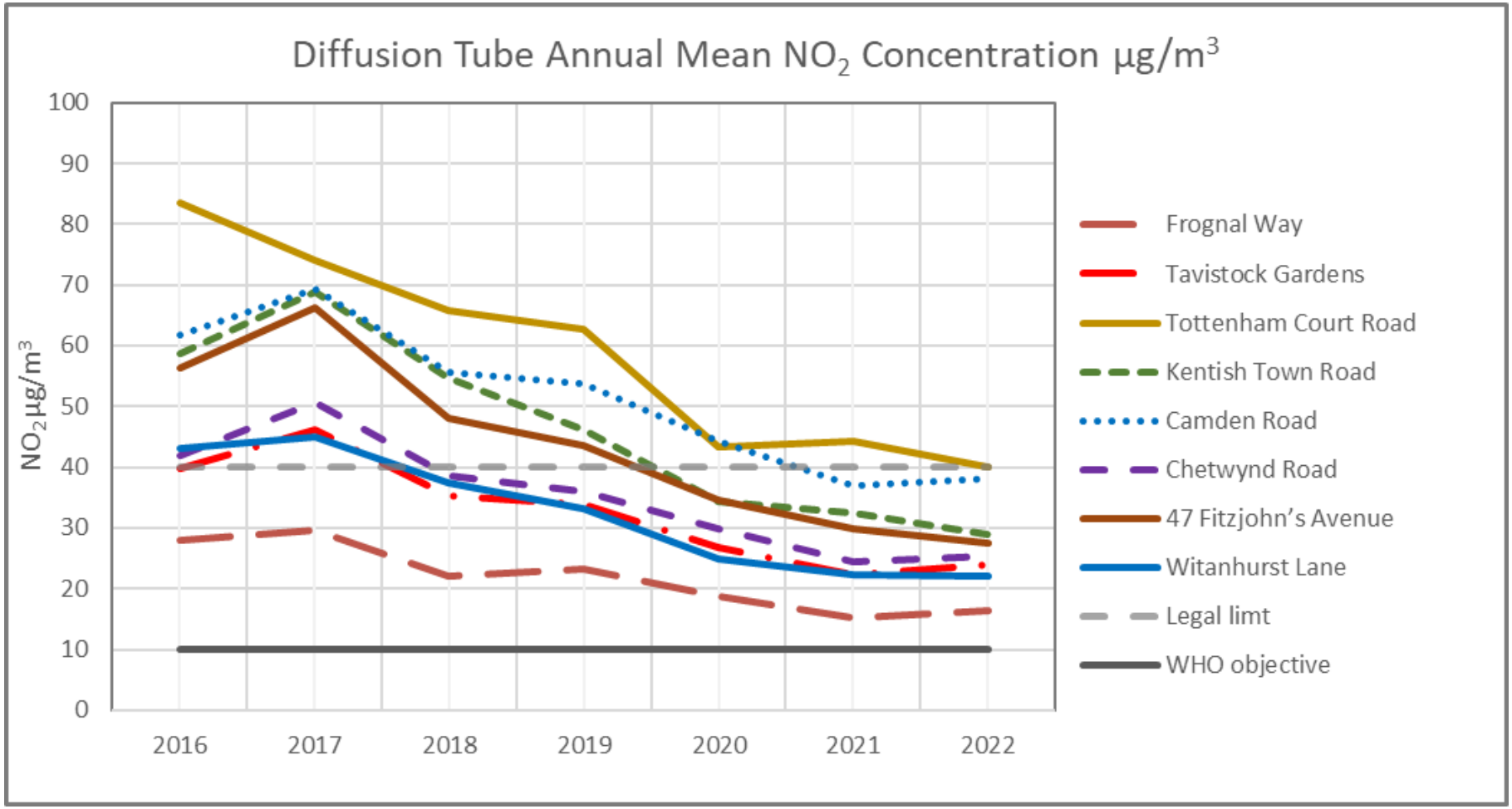


Figure 3: Automatic monitoring annual mean NO_2 concentration

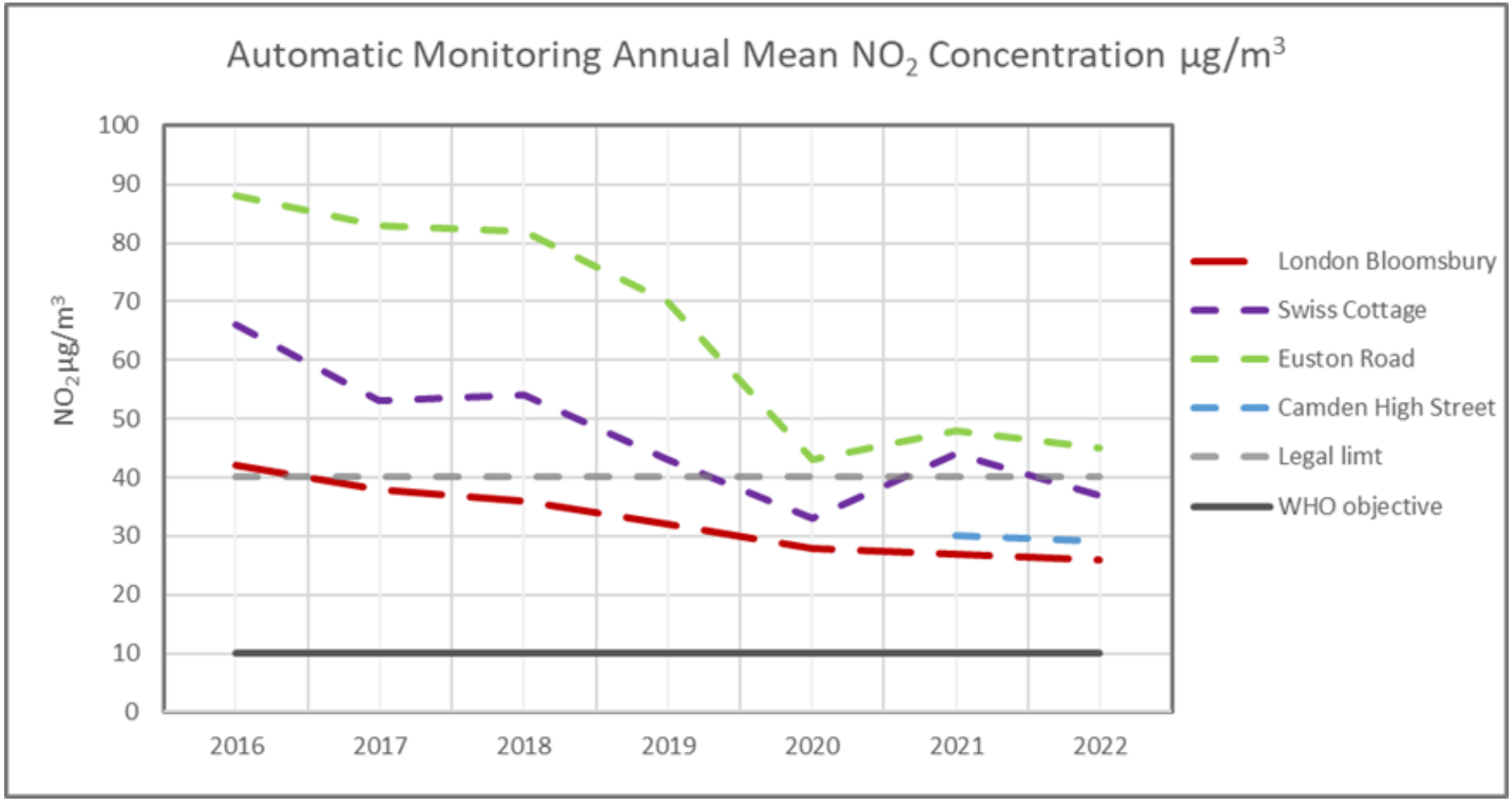


Table F. NO_2 Automatic Monitoring Results: Comparison with 1-hour Mean Objective, Number of 1-Hour Means > 200 µg m^{-3}

Site ID	Valid data capture for monitoring period %([a])	Valid data capture 2022 %([b])	2016	2017	2018	2019	2020	2021	2022
BL0		86.86	0	0	0	0	0	0	0
CD1		79.05	**37**	1	2	1	0	2	0
CD9		96.05	**39**	**25**	18	7	0	1	2
CD010		98.85	-	-	-	-	-	0	0

Notes:

Results are presented as the number of 1-hour periods where concentrations greater than 200 µg m^{-3} have been recorded.

Exceedance of the NO_2 short term AQO of 200 µg m^{-3} over the permitted 18 hours per year are shown in **bold**.

If the period of valid data is less than 85%, the 99.8th percentile of 1-hour means is provided in brackets.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%)

Comments

Similarly to Camden's long-term diffusion tube monitoring, there has been an overall downwards trend in NO_2 recorded over the last seven years, which continued in 2022 with all sites recording reduced NO_2 concentrations compared with the previous year. In 2022, there has been an average reduction in annual mean NO_2 of seven percent across Camden's automatic monitoring locations. The two roadside monitoring sites (Euston Road and Swiss Cottage) recorded raised levels when compared to 2020. This is likely an effect of the COVID-19 Pandemic which caused a significant reduction in traffic levels in London during the national lockdowns. Two

exceedances of the one-hour mean level were recorded across Camden’s automatic monitoring network in 2022, both of which were at Euston Road.

Table G. Annual Mean PM_{10} Automatic Monitoring Results (µg m^{-3})

Site ID	Valid data capture for monitoring period %([a])	Valid data capture 2022 %([b])	2016	2017	2018	2019	2020	2021	2022
BL0		95.95	20	19	17	18	16	16	17
CD1		72.45	21	20	21	19	16	16	21
CD9		80.82	24	20	21	22	18	19	21
KGX		89.98	-	-	15	15	13	13	15

Notes:

The annual mean concentrations are presented as µg m^{-3}.

Exceedances of the PM_{10} annual mean AQO of 40 µg m^{-3} are shown in **bold**.

All means have been "annualised" in accordance with LLAQM Technical Guidance if valid data capture is less than 75% and more than 25%.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Table H. PM_{10} Automatic Monitoring Results: Comparison with 24-Hour Mean Objective, Number of PM_{10} 24-Hour Means > 50 µg m^{-3}

Site ID	Valid data capture for monitoring period %[(a)]	Valid data capture 2022 %[(b)]	2016	2017	2018	2019	2020	2021	2022
BL0		95.95	9	6	1	9	4	0	5
CD1		72.45	7	8	4	8	3	0	0
CD9		80.82	10	3	2	8	2	2	6
KGX		89.98	-	-	1	5	1	0	5

Notes:

Exceedances of the PM_{10} 24-hour mean objective (50 µg m^{-3} over the permitted 35 days per year) are shown in **bold.**

Where the period of valid data is less than 85% of a full year, the 90.4th percentile is provided in brackets.

(a) data capture for the monitoring period, in cases where monitoring was only carried out for part of the year

(b) data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Comments

Camden's automatic PM_{10} monitoring data has seen an overall downward trend since 2016, with an average reduction of 14% during this time across the London Bloomsbury, Swiss Cottage, and Euston Road sites. The 2022 annual mean concentration for PM_{10} at the Coopers Lane urban background monitoring site has remained consistent with pre-pandemic levels.

PM_{10} annual mean concentrations have increased at all automatic monitoring locations in 2022 from the previous year. The average difference across Camden's automatic monitoring network is an increase of 16% in 2022 from the previous year. Each site has recorded below the legal limit of 40 µg/m^{-3} however, only the Coopers Lane monitoring site is within the 2021 updated WHO objective of 15 µg/m^{-3} annual mean for PM_{10}.

Exceedances of the short-term (24-hour) objective increased at three of the automatic monitoring sites from 2021, with only the Swiss Cottage site recording no exceedances.

Figure 4 shows annual mean PM_{10} concentration as measured at four automatic monitoring sites in Camden, illustrating the increase in PM_{10} in 2022 compared to the previous two years.

Figure 4: Automatic monitoring annual mean PM_{10} concentration

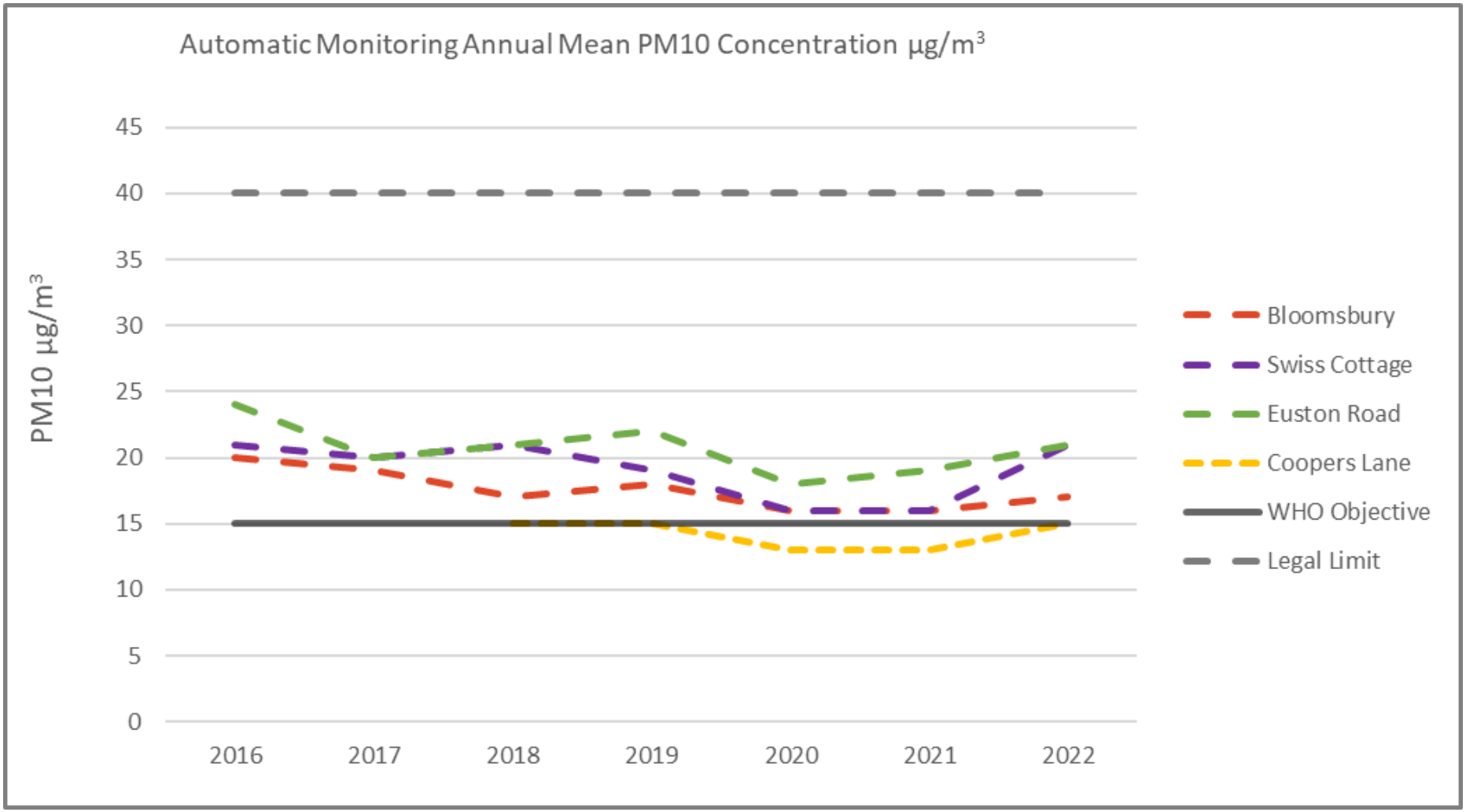


Table I. Annual Mean $PM_{2.5}$ Automatic Monitoring Results (µg m^{-3})

Site ID	Valid data capture for monitoring period %[(a)]	Valid data capture 2022 %[(b)]	2016	2017	2018	2019	2020	2021	2022
BL0		60.43	12	13	10	11	9	9	9
CD1		72.79	15	16	11	11	10	9	12
CD9		79.25	17	14	15	14	11	11	12
KGX		86.95	-	-	-	-	-	-	10

Notes:

The annual mean concentrations are presented as µg m^{-3}.

Exceedances of the $PM_{2.5}$ annual mean AQO of 20 µg m^{-3} are shown in **bold**.

All means have been "annualised" in accordance with LLAQM Technical Guidance, if valid data capture is less than 75% and more than 25%.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Comments

Camden's automatic $PM_{2.5}$ monitoring network for 2022 has recorded a minor increase from the previous year at both Swiss Cottage and Euston Road monitoring locations, with London Bloomsbury recording an equivalent concentration as in 2021. 2022 is the first year Camden Council has monitored $PM_{2.5}$ at the Coopers Lane site, with a recorded concentration of 10 µg m^{-3}. The annual mean concentrations for $PM_{2.5}$ in 2022 are comparable to pre-pandemic levels, suggesting that the reductions seen in 2020 and 2021 were impacted by the COVID-19 pandemic (and associated restrictions) on polluting activities such as road transportation.

All automatic $PM_{2.5}$ monitoring sites have been compliant with the legal limit of 25 µg m^{-3} for several years, however all four are currently in exceedance of the WHO's updated 2021 $PM_{2.5}$ guideline of 5 µg m^{-3}. The World Health Organization considers there to be no safe threshold of exposure to $PM_{2.5}$; therefore Camden Council will continue to improve air quality throughout the borough to better protect the health of all who live, work and study in Camden.

Figure 5 shows annual mean $PM_{2.5}$ concentration as measured at three automatic monitoring sites in Camden, illustrating the stabilisation in $PM_{2.5}$ in recent years and the slight increase from 2021 to 2022 as measured at Swiss Cottage and Euston Road. Data from Coopers Lane has not been included on Figure 5 as $PM_{2.5}$ monitoring commenced at this site in 2022, and so historic data is not available.

Figure 5: Automatic monitoring annual mean $PM_{2.5}$ concentration

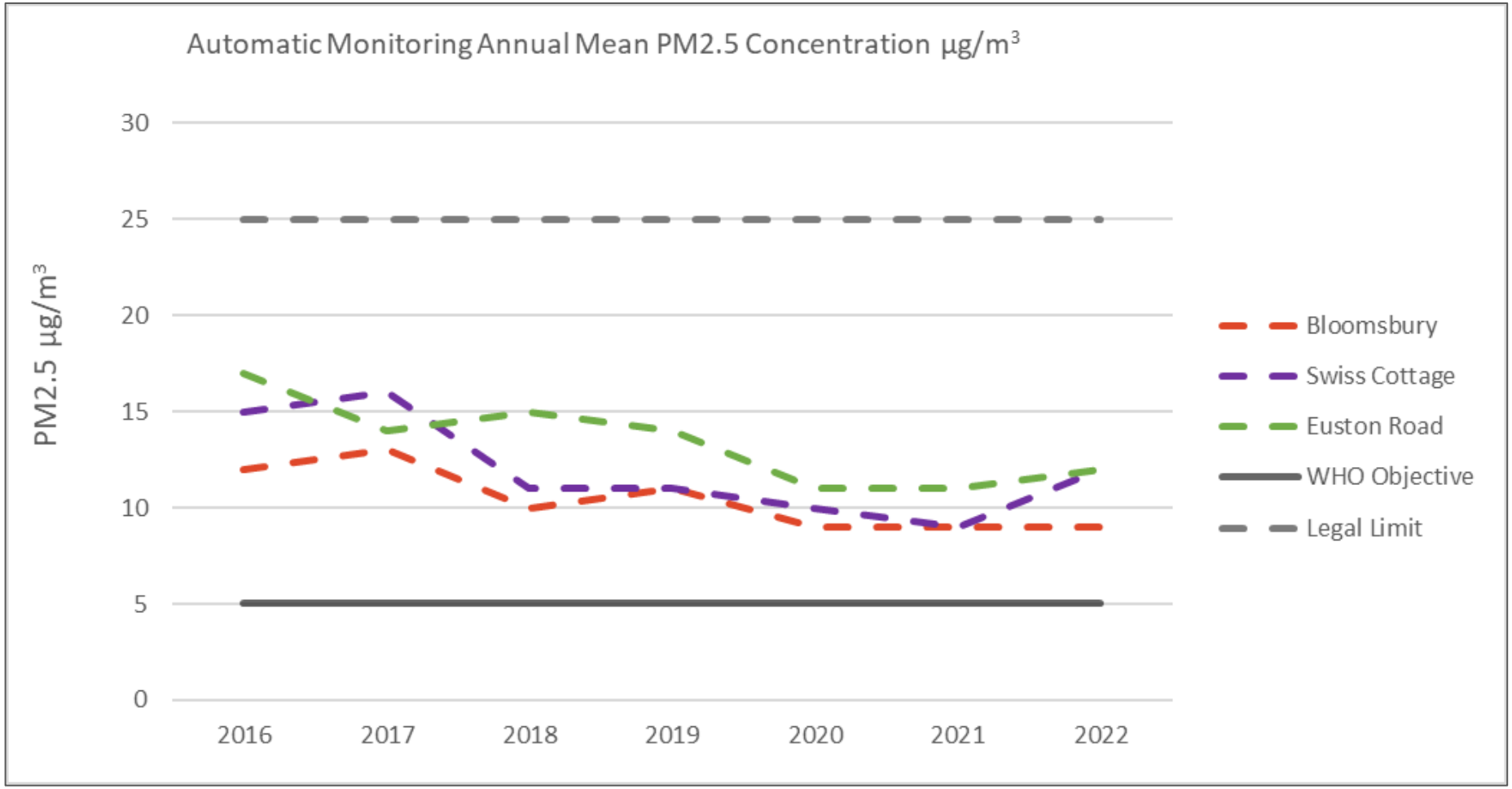


Table J. 2022 SO_2 Automatic Monitoring Results: Comparison with Objectives

Site ID	Valid data capture for monitoring period %[(a)]	Valid data capture 2022 %[(b)]	Number of 15-minute means > 266 µg m^{-3}	Number of 1-hour mean > 350 µg m^{-3}	Number 24-hour mean > 125 µg m^{-3}
BL0		94.3	0	0	0

Notes:

Results are presented as the number of instances where monitored concentrations are greater than the objective concentration.

Exceedances of the SO_2 objectives are shown in **bold** (15-min mean = 35 allowed a year, 1-hour mean = 24 allowed a year, 24-hour mean = 3 allowed a year).

If the period of valid data is less than 85%, the relevant percentiles are provided in brackets.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

2. Action to Improve Air Quality

2.1 Air Quality Action Plan Progress

Table K provides a brief summary of Camden's progress against the Air Quality Action Plan (the Camden Clean Air Action Plan 2019-2022), showing progress made this year. New projects which commenced in 2022 are shown at the bottom of the table.

Table K. Delivery of Air Quality Action Plan Measures

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
1. Secure additional funding from developers through S106 agreements to manage and enforce construction impacts	Secure additional funding for air quality projects through S106 to assist with improving air quality in Camden for the protection of current and future residents' (and workers') health	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Review of CMP fees and resourcing in 2019/20 resulted in a realignment of sourcing and use of S106 funds to better resource work to improve air quality. This resulted in two new officer roles created and resourced – a CMP Site Inspector and Air Quality Officer (Planning) to support CMP compliance. Two officers from Camden's Sustainability, Air Quality & Energy Team review CMPs and monitor compliance. In 2022, these new roles were extended by a further year to October 2024.
2. Ensure all major development sites have a demolition management plan (DMP) and/or a construction management plan (CMP) approved by the air quality officer	Air Quality Programme manager to review CMPs received for forthcoming development sites to ensure appropriate dust mitigation and monitoring has been proposed	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: The Air Quality Planning Officer position was created in Autumn 2021 to aid the Sustainability Planning team and in 2022 has continued to support the Air Quality Programme Manager in reviewing CMPs received by Camden's Planning Obligations team. A weekly Construction Management Forum meets to discuss new CMPs and compliance and enforcement issues at active sites. This group comprises the Air Quality Programme Manager, Air Quality Planning Officer, Planning Obligations and Planning Enforcement

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
			Officers, and representatives from Transport and Highways.
3. Ensure all medium and high-risk sites have real-time particulate monitoring on site and that the information from this monitoring is easily accessible to the public	Contractors/developers to use and refer to on-site dust monitoring to ensure that mitigation is effective. Data to be shared publicly to ensure transparency and public oversight over site AQ management	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Camden's CMP pro-forma requires contractors/developers to ensure that dust monitoring data from applicable sites is available to the public, as well as submitted to the Council's Air Quality department for review.
4. Ensure that policies and assurances agreed with HS2 in relation to air quality and green space are complied with during the course of the project	Ensure that monitoring and reporting regimes agreed with HS2 are correctly adhered to, as well as those associated with green space and that any air quality problems caused by HS2 are minimised and mitigated as far as possible	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: HS2 reports on NRMM and vehicle compliance, provides access to real-time construction dust monitoring data, and produces monthly air quality reports for Camden. Any poor performance is raised in monthly Camden-HS2 environmental catch-up meetings and more serious transgressions are addressed at multi-authority HS2 Environmental Health Subgroup meetings, which occur every two months. NRMM compliance (Stage V in the CAZ and Stage IV in Greater London) and HGV compliance (Euro VI) rates have been consistently high at over 99% for 2022.
5. Produce a construction code of practice (CoCP) for small developments to be used as an informative	Work with Senior Sustainability Officers (Planning) and Planning Officers to produce a CoCP for small developments to ensure better communication and ultimately management of air quality issues outside of CMP and S106 controls	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions**	**Ongoing**: Draft CoCP produced in 2019 and pending publication with accompanying guidance from other teams at Camden (Transport Strategy, Environmental Health, etc.). No further progress during 2022 due to capacity issues however the guide and accompanying pro-forma are

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		LLAQM theme: **Emissions from developments and buildings**	expected to be reviewed in 2023 to determine the best approach to publishing both.
6. Create clean air zones (areas of exclusion for construction vehicles) around schools/ hospitals	Create clear air zones around schools and hospitals to help protect those most susceptible to health issues resulting from poor air quality	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**, although the CMP pro forma used in 2022 does include a requirement that '*Routes should be carefully considered and risk assessed, taking into account the need to avoid where possible any major cycle routes and trip generators such as schools, offices, stations, public buildings, museums etc.*'
7. Improve communications with local communities about the pollution impact of large construction projects, how impacts will be minimised, and how residents can report concerns	Utilise council platforms to engage with local communities about pollution impacts of construction	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: It is now a requirement of Camden Council's CMP pro-forma that development sites with construction dust monitoring share data with members of the public either online or via on-site hoarding displays.
8. Support the development of community-led Neighbourhood Construction Site Watch groups to assist in monitoring construction sites in line with air quality CMP requirements.	Connect with local the community to help facilitate a community-led watch group around construction sites	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing**	**Ongoing**: Preferred option for most efficiently enabling community groups to report issues in construction site air quality management is to produce an online e-form. The Report Air Pollution[4] e-form was created to enable members of the public to report concerns about air

[4] https://www.camden.gov.uk/report-air-pollution

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		construction emissions LLAQM theme: **Emissions from developments and buildings**	pollution, including those relating to construction and development issues. In 2022, there were 30 submissions of the e-form, several of which were escalated to Camden's Planning Enforcement department. Increased focus on community liaison prior to and during construction and development, with Camden's Planning Enforcement Officers attending public meetings. Community liaison mandated through the S106 CMP process.
9. Develop and implement a power generator hierarchy for construction sites with the aim of reducing the number of diesel generators	Reduce pollution from diesel generator use on construction sites, focusing on higher engine standards, and alternative fuels and technologies	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing:** Ongoing area of concern, however financial and resourcing constraints meant this couldn't be progressed during 2022. The pan-London NRMM compliance project, which Camden participates in, provides communications and guidance to construction sites about less-polluting technologies.
10. Require cumulative impact assessments (CIA) for developments in order to identify the impact on local air quality and identify methods to reduce impact on local communities	CIA to highlight the need for extra dust mitigation, inter-site coordination, and community liaison in cumulative impact areas	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Completed / ongoing**: CIA background work completed in 2019 and requirement due to be applied to relevant sites thereafter.

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
11. Control construction lorry delivery times through S106 agreements and/or planning condition to reduce impact on local communities and air quality.	Work with Transport Planners to put in place actions to control construction lorry delivery times through S106 agreements	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Completed / ongoing**: Transport Planners are involved in the CMP and S106 process and therefore HGV movements servicing development sites are managed as far as possible.
12. Reduce the impact of Council-led infrastructure projects by requiring air quality controls for all Community Investment Programme development	Work with CIP Project Managers and ensure that Camden's CIP team understands air quality issues, and consequently passes on all necessary requirements to contractors	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Completed / Ongoing**: The Air Quality Programme Manager and Air Quality Planning Officer met with Camden's CIP department to update the CIP Scopes of Service to include air quality considerations. Air Quality team routinelyadvises Camden's Development Managers about dust monitoring requirements and construction dust management.
13. Enforcement of Non Road Mobile Machinery (NRMM) air quality policies	Ensure that NRMM air quality policies are adhered to	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Completed / Ongoing**: Camden is a participant in the LB Merton-led NRMM compliance ('Cleaner Construction for London') project, and specialist auditors undertake visits to major sites in Camden. In 2022, 20 NRMM compliance audits were completed in Camden. NRMM requirements typically applied for major developments and included as standard in CMPs.

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
14. Monitor air quality for Council transport infrastructure projects to inform the scheme design, evaluate project impact, and enhance future schemes	Air quality monitoring to be undertaken for Camden transport and public realm projects to develop rationale for intervention and to determine the air quality impact of different types of schemes in different settings	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Diffusion tube air quality monitoring undertaken for 27 distinct transport and public realm projects in Camden in 2022, in accordance with LLAQM best practice. NO_2 was monitoring with diffusion tubes at 243 locations during 2022.
15. To support construction industry-led initiatives that demonstrate best practice and drive improvement across the sector	Highlight and promote current and new best practice to drive continual improvement in air quality management in the construction industry	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing construction emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Camden's Clean Air Partnership provides a forum for maintaining momentum for the delivery of Camden's Clean Air Action Plan 2019-2022 whilst facilitating ongoing accountability and offering an opportunity for sharing and promoting best practice in construction and development among the partners. Engaging with the construction and development sector has proved challenging so further work will be undertaken in this area in 2023.
16. Ensure all major domestic and non-domestic developments achieve zero-carbon status through exemplar energy efficiency standards and renewable energy installations	Work with Senior Sustainability Officers (Planning) to ensure all major developments accomplish zero carbon status	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from**	**Ongoing**: Camden's Sustainability Planning team is a statutory consultee for planning applications and applies Camden's policies to reduce carbon emissions from new-build developments and refurbishments. Officers continually review national and regional legislation and planning policy[5] to ensure carbon and air pollution controls are applied as stringently as possible in Camden.

[5] https://www.camden.gov.uk/sustainability-and-energy-policy-and-planning-guidance

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		developments and buildings	The Air Quality Planning Officer is also consulted on S106 conditions at all stages of a development to ensure compliance with agreed upon energy and sustainability requirements.
17. Ensure major regeneration planning policy framework documents are developed to specify low emission zones with zero on-site combustion	This has been incorporated into major regeneration specification	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Camden's Air Quality Programme Manager, Air Quality Planning Officer, Sustainability Planning Officers and Climate Programme Manager work closely with Camden's Planning department to ensure the highest possible standards for air pollution and carbon abatement are achieved through major regeneration frameworks.
18. Promoting and delivering energy-efficiency retrofitting projects in workplaces and homes using the GLA RE:NEW and RE:FIT programmes and the Camden Climate Fund	Camden Climate Fund and other energy-efficiency funding streams to be promoted through the MAQF Camden Town LEN project and other air quality and carbon reduction programmes	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: The Camden Climate Fund[6] is still available and all Camden businesses that meet the criteria are encouraged to apply. There is no active promotion of the fund within the LEN area or more widely. Note, there used to be a CCF LEN fund but this was disbanded back in 2021 due to low uptake and the replacement of boilers with more boilers did not align with Camden's decarbonisation aims and drive toward low carbon heat technologies. The Camden Climate Alliance (CCA) ran a Post COP27 workshop in November 2022 which brought together more than 40 businesses to discuss how their businesses could act on energy efficiency, waste and procurement, biodiversity and staff engagement.

[6] https://www.camden.gov.uk/camden-climate-fund

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
19. Enforce CHP and biomass air quality planning policies for new developments	This is currently taking place. We are working on how to best proceed with monitoring and reporting	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: CHP and biomass planning policies for new developments are already enforced. As a result of the further decarbonisation of the national grid's electricity supply, in 2022 these policies were strengthened to reflect Camden's preference for renewable technologies to be utilised rather than CHP.
20. Enforcing Air Quality Neutral and Air Quality Positive planning policies for new developments	Ensure effective joined up working between Sustainability and Planning to enforce air quality neutral and positive planning policy in Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Air Quality Neutral (AQN) and Air Quality Positive (AQP) planning policies implemented through planning process, but there is room for improvement in data collection and reporting. Sustainability Planning Officers developed pro-formas for planning applications to clarify the policy and requirements for air quality and carbon emissions reduction.
21. Ensuring adequate, appropriate, and well-located green space and infrastructure is included in new developments	New development to require inclusion of well-designed green space which has a positive impact on amenity and perception of environment without causing any evident detriment to air quality (e.g. avoiding impaired dispersion of pollutants)	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Camden's Green Space team is a consultee on all major planning applications. New development within the borough must meet the correct standards for open space provision and nature conservation. The planning process ensures that new development contributes positively to the surrounding environment, as well providing additional green infrastructure and new habitat to increase biodiversity. This approach is supported by local and regional planning policy.

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
22. Maintain and increase the amount of green infrastructure in Camden including the number of trees	Work with the green spaces team to increase the number of green infrastructure in Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme**:** **Emissions from developments and buildings**	**Ongoing**: Camden's Tree Planting Strategy 2020-2025[7] commits the Council to increasing tree canopy cover, tree quality and diversity. This includes careful consideration of tree maturity, species diversification and selection in accordance with Camden's Biodiversity Action Plan. The Green Space team aims to plant at least 400 trees per year[8] and continuously works to secure additional external funding for tree planting.
23. Ensure that smoke control area regulations are communicated and enforced with the support of residents' associations	Produce clear and consistent information for communities and local groups to ensure that smoke control regulations are well-highlighted throughout the borough	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings / Public health and awareness raising**	**Ongoing**: Resident associations contacted at onset of winter heating season to communicate smoke control area regulations and additional request for all Camden residents to avoid burning wood or coal at home unless these fuels represent residents' only source of heating. Communication included promotion of Camden's Improving Indoor Air Quality: Advice for Homes[9] guidance document to help inform residents of the importance of indoor air quality for health and the measures that can be taken to reduce pollution exposure in indoor environments. Camden and Islington received funding through the Defra Air Quality Grant Scheme for the London Wood Burning Project, which the two boroughs will lead on behalf of a consortium of 15 local authorities. This project commenced in May 2022 and will involve research and

[7] https://www.camden.gov.uk/documents/20142/5268201/Camden+Tree+Planting+Strategy.pdf
[8] https://www.camden.gov.uk/trees#taiz
[9] https://www.camden.gov.uk/documents/20142/0/Improving+Indoor+Air+Quality+-+Advice+for+Homes.pdf/d8bf8fe0-6db7-c7cf-858b-6eef0667a17e?t=1585820778519

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
			an awareness raising campaign in 2023 to ensure residents are aware of the rules around domestic solid fuel burning and the risks for health.
24. Continue to control emissions from permitted process via inspections and enforcement	Regulation of Part B processes to ensure effective enforcement	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing building emissions** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Permitting and enforcement is ongoing and managed by Camden's Environmental Health team.
25. Increase the amount of electric vehicle charging infrastructure in Camden	Work with Camden Transport Strategy to increase the number of electrical vehicle charging points throughout the borough, in accordance with the new EVCP Action Plan	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Continued expansion of EVCP infrastructure in Camden during 2022 bring total figures to: • 247 lamp column electric vehicle charge points • 237 fast charge points • 11 rapid charge points (two are on red routes)
26. Undertake feasibility, consultation and implementation of on-street rapid charge points at taxi ranks, in partnership with TfL	Work with transport and TfL to undertake feasibility and implement electrical vehicle charging points throughout the borough	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Rapid charge point locations for taxis now include: • Harrington Square (red route) • Euston Road (red route) • Russell Square • Rosslyn Hill x2 • Freight Lane • Albany Street
27. To use all relevant forms of parking restrictions and charges to help reduce	Work with the Parking Operations and Transport Strategy services to ensure all relevant forms of parking restrictions and	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme:	**Ongoing**: Parking fees and charges are regularly reviewed to ensure that they are set at appropriate levels

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total overall traffic levels and help improve air quality	charges are enforced to help lower traffic within Camden	**Reducing transport emissions** LLAQM theme: **Cleaner transport**	to meet various policy objectives including lowering traffic levels and improving air quality in the borough.
28. Undertake a feasibility study into a workplace parking levy (WPL) in Camden and implement if feasible	Feasibility and eventual introduction of a WPL to reduce commuting and workplace-related parking	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: The overall feasibility of a WPL in Camden depends on the amount of private workplace parking spaces in the borough in regular use. The pandemic has affected many businesses and altered how and where people choose to work. In 2022, Camden commissioned additional surveys of our businesses to determine if the project was still feasible. Analysis of the updated survey results indicated the project was still viable. This project will be continued in 2023.
29. Keep cycle routes open (if safety is not an issue) when road closures are planned	Work with Transport Strategy to undertake feasibility studies for when roads close to ensure cyclist can safely continue to use cycle routes	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: This is generally done as standard practice in most circumstances.
30. Trial replacement of parking spaces near junctions with cycle storage or other green measures that don't impair pedestrian or driver visibility, to improve junction visibility and safety	Work with Transport Strategy to pilot replacing parking spaces with cycling storage and green infrastructure, ensuring that health and safety is met	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Camden's Transport Strategy service has a rolling programme that improves visibility in the vicinity of junctions by replacing all restrictions within 10m of the junction with double yellow lines. Phase 1 was aimed at replacing single yellow lines with double yellow lines in all controlled parking zones except CA-E, and was completed in 2022. There are separate programmes for increasing cycling storage and greening infrastructure in the borough including installation of bike hangers and cycle stands.

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31. Continue to provide additional bicycle parking in the borough including Business Improvement Districts	Continue to work with local BIDS to install additional bicycle parking	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Cycle storage is considered as part of public realm improvements. Camden continues to facilitate cycling as a sustainable alternative to other transport by installing additional cycle storage in key areas. In 2022, 46 new cycle hangars were installed across Camden, providing additional 267 spaces for bicycles.
32. To offer travel plans to businesses and Camden Climate Change Alliance members	Create a travel plan template that can be modified to suit businesses that need a tailored travel plan for their business	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Air quality officers and transport planners have collaboratively developed a Travel Plan Guide for Businesses in Camden, which is made available through the Camden Climate Alliance and the Council's air quality webpages[10].
33. Continue to discourage unnecessary idling through anti-idling campaigns and enforcement activity	Utilise the MAQF London Idling Action Project to address idling within Camden, whilst introducing local enforcement	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Camden co-lead on the Idling Action London[11] with City of London Corporation. This project was completed in March 2022, however Camden Council is committed to continuing this work via the Project's legacy working group. Camden continues to enforce against vehicle engine idling[12] through a borough-wide Traffic Management Order introduced in Camden in October 2019 and implemented in January 2020. In 2022, more than 4,173 idling drivers were instructed by Camden's Civil Enforcement Officers to switch off their engines, and 65

[10] https://www.camden.gov.uk/air-quality#csrj
[11] https://idlingaction.london/
[12] https://www.camden.gov.uk/tackling-engine-idling

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			penalty charge notices (PCNs) were issued for non-compliance. A Report Engine Idling e-form[13] allows members of the public to report incidences of vehicle engine idling for optimisation of Camden's enforcement patrols. Air quality officers were unable to carry out anti-idling engagement activities in 2022.
34. Work with the LTDA to establish a jointly executed anti-idling campaign targeted at taxi drivers	Work collaboratively to ensure that key air quality messages are disseminated to drivers to raise awareness of the health impacts of exposure to air pollution, and the importance of avoiding engine idling	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: The LTDA is represented on Camden's Clean Air Partnership, however no joint work between Camden and the LTDA took place during 2022.
35. To improve walking and cycling infrastructure through projects such as the proposed Prince of Wales Road and Camden Road cycle routes	Facilitate sustainable and active travel throughout the borough	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: In 2022 Camden has successfully implemented a number of active travel transport schemes in the borough, including: • Implemented 3-point closures – "modal filters" – enabling walking and cycling whilst restricting through traffic • An additional 3km of protected cycle routes • 2 Healthy School Streets • The West End Project continued the completion of a new park in Alfred Place and the start of construction of the final public space in Princes Circus.

[13] https://www.camden.gov.uk/report-engine-idling

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36. To offer a parking permit scrappage scheme where a free two-year membership to a car club is provided	Encourage reduced car ownership and usage by incentivising car club membership as an alternative	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Completed**: Now closed after successfully issuing 100 car club memberships to residents.
37. Ensure the Clean Air Action Plan and Camden Transport Strategy have overlapping and supporting policies in relation to air quality	Work with the Transport Strategy service to ensure that joint aims are overlapping within both plans	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Ongoing**: Camden's Sustainability, Air Quality & Energy Management Team and Transport Strategy Service work collaboratively across a range of policy and project areas covered by Camden's Clean Air Action Plan 2019-2022[14], Climate Action Plan 2020-2025[15] and Transport Strategy 2019-2041[16]. All plans have overlapping and mutually supportive policies.
38. Install collapsible bicycle posts around the Hatton Garden Business Improvement District	Work with Hatton Garden BID to help facilitate instillation of collapsible bicycle posts	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions** LLAQM theme: **Cleaner transport**	**Withdrawn as an action**: Hatton Garden BID no longer involved in Camden Clean Air Partnership due to resourcing constraints.
39. Consolidate patient transport to reduce the number of vehicles on the road (subject to health and safety of patients)	Discuss with hospitals in the borough as part of the Clean Air Hospital Framework	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing transport emissions**	**Ongoing**: Great Ormond Street Hospital (GOSH) looked at the possibility of consolidating patient transport, and specifically in relation to certain groups of patients who visit the hospital regularly (for example dialysis patients).

[14] https://www.camden.gov.uk/documents/20142/0/Clean+air+action+plan+2019-2022_final2.pdf/f7cd1a68-e707-0755-528a-59388adf0995
[15] https://www.camden.gov.uk/how-are-we-tackling-the-climate-crisis-in-camden-#rqld
[16] https://www.camden.gov.uk/transport-strategies-and-plans

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		LLAQM theme: **Cleaner transport**	COVID-19 has resulted in this action no longer being pursued. GOSH currently has 4 electric ambulances for non-urgent patient transport. In 2022, a Brompton Bike cycle scheme was introduced for all GOSH staff to reduce vehicle movements to and from the hospital. 25 members of staff have signed up for the cycle scheme in 2022.
40. Assess the feasibility of creating an air quality app that allows users to report air quality issues to the Council	Work with Camden's Environmental Services team to create an air quality feature on the existing environmental reporting app	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Localised solutions**	**Completed**: An air quality app was considered but feedback from other services suggested this would be excessively complicated and under-used. Instead, air quality officers worked with Camden's Digital and Customer Experience Team to design and produce an online Report Air Pollution e-form[17] to enable members of the public to report concerns about air pollution, including those relating to construction and development issues. The e-form is now live.
41. Deliver a Neighbourhoods of the Future (NotF) project in the Fitzjohn's area in partnership with independent schools to encourage more sustainable forms of transport	NotF to include schemes to encourage and facilitate a reduction in car travel to and from schools in the project area	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Cleaner transport / Localised solutions**	**Ongoing**: The Healthy School Street zone in the Fitzjohn's and Frognal area was made permanent in January 2022. In addition, NotF has encouraged alternative travel via a cargo bike scheme since 2021, however as a result of theft and funding uncertainties there were only 10 cargo bike loans in 2022.

[17] https://www.camden.gov.uk/report-air-pollution

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			Camden has also signed up to a borough-wide Try-A-Bike loan scheme[18], which allows residents to borrow a bicycle for a monthly fee.
42. Produce and promote a School Air Quality Audit toolkit to schools in Camden	Develop a toolkit for schools that can be carried out by both council staff and school staff to help maximise uptake	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Cleaner transport / Public health and awareness raising**	**Ongoing**: As part of the Idling Action London programme, several school-focused toolkits have been promoted through the Camden Learning and Camden Climate Alliance newsletters. In additional schools have been sent information about the London Schools Pollution Helpdesk[19] – a free resource where schools can be given help to identify and address air quality issues in their school. Due to resources constraints on the Air Quality Team, a School Air Quality Toolkit was not progressed, however this action has been incorporated into Camden Council's updated Camden Clean Air Action Plan 2022-2026[20].
43. Work with Public Health to develop a school super zones pilot that tackles health and air quality in the Kilburn area	Ensure that collaborative working is employed with PH to develop a school super zone pilot in Kilburn	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Ongoing**: In 2022 Camden's Air Quality Team worked with Public Health colleagues on a GLA school superzones bid, with submission expected in early 2023.

[18] https://www.camden.gov.uk/try-a-bicycle-for-4-weeks
[19] https://www.pollutionhelpdesk.co.uk/
[20] https://www.camden.gov.uk/documents/20142/0/Camden+Clean+Air+Action+Plan+2023-2026_Final_2022.12.19+%282%29.pdf/ad618e94-0113-696d-5fc6-104d8969ab5a?t=1671619123044

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44. Continue to encourage schools to join the TfL STARS accredited travel planning programme by providing information on the benefits to schools and supporting the implementation of such a programme	Work with the Transport Strategy service to promote TfL STARTS to schools within the borough	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Cleaner transport / Public health and awareness raising / Localised solutions**	**Ongoing**: STARS is widely promoted[21] by Camden's Transport Strategy service.
45. Continue to promote the uptake of Play Streets to local residents	Work with Transport Strategy to create guidance of street closures for local communities	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Cleaner transport / Localised solutions**	**Completed / Ongoing**: A 'How to Close Your Street' guide has been published[22] on the AQ webpages to promote the uptake of Play Streets.
46. Work with universities to investigate the potential for a new university-led community air quality monitoring project	Promote citizen science lessons to local schools to help maximise uptake	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools**	**Ongoing**: In 2022, two projects involving community air quality monitoring were implemented in Camden. The Camden Household Air Monitoring Project (CHAMP), delivered in collaboration with London School of Economics (LSE), involves residents hosting indoor air quality monitors for several weeks to research how having access to air quality information may change

[21] https://www.camden.gov.uk/school-travel-plans
[22] https://www.camden.gov.uk/documents/20142/0/How+to+Make+Your+Street+Car-Free_v2_2020+%281%29.pdf/91df22f4-4b0c-9635-962d-ac41e938a9a1?t=1626695044947

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		LLAQM theme: **Public health and awareness raising**	behaviours. There were 163 participants involved with the CHAMP in 2022. In addition, links were made with Imperial College to engage students undertaking environmental Masters programmes and deliver air quality projects within Camden. A group of students were allocated a project at the end of 2021 to undertake a review of the co-design process for the development of Camden's Clean Air Action Plan. The project concluded in May 2022 and its recommendations were included in a dedicated section of the final draft Camden Clean Air Action Plan 2023-2026 that was presented for Cabinet consideration.
47. Increase the number of Healthy School Streets in key pollution areas	Work with Transport Strategy to undertake feasibility and implementation of Healthy School Streets	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Cleaner transport / Localised solutions**	**Ongoing**: In 2022, 15 Healthy School Streets[23] were made permanent and a further three schemes have been introduced. These are: • Redhill Street – Christchurch Primary School • Elsworthy Road – St Paul's Primary School • Holmes Road – St Patrick's Primary School As of the end of 2022, there are 22 Healthy School Street schemes covering 26 schools in Camden.
48. Develop bespoke clean air routes for schools in Camden highlighting clean routes to and from school as well as to relevant places such as libraries, community centres and parks	Ensure that clear clean air routes are accessible to school communities via the Council website as well as working with transport to create bespoke routes for schools in 'hot spot' areas	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools**	**Ongoing**: Camden Council worked with pupils at three schools (Hawley Primary School, Holy Trinity & St Silas Primary School, and Cavendish School), as part of the Camden Town LEN project, to host a series of assemblies and workshops to raise awareness of the impact of air pollution.

[23] https://www.camden.gov.uk/healthy-school-streets#jauk

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		LLAQM theme: **Public health and awareness raising / Localised solutions**	Pupils monitored pollution levels on nearby streets and used this data to develop bespoke clean air walking routes[24] for students travelling to/from the LEN area.
49. To continue to work in partnership with London authorities, the GLA, TfL, London Councils and Defra on air quality projects	Ensure Camden continues to maintain its working partnership on air quality issues with London authorities, the GLA, TfL, London council's and Defra	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Ongoing**: Extensive collaborative and partnership working with other London (and non-London) authorities, the GLA, TfL, London Councils and Defra, including: • Central London AQ cluster group • GLA best practice seminars • MAQF projects (London Idling Action) • GLA Good Growth Funded project to provide clean power for canal boaters, completed in February 2022 • Camden Council co-led London Wood Burning Project • Lobbying on AQ issues, including provision of lobbying resources for other authorities • Engagement in workshops and seminars relating to air quality
50. Continue to work with schools on air quality engagement, awareness and behaviour change	Ensure that school engagement is conducted through the Sustainers, Camden Climate Change Alliance, school air quality audits and the London Idling action project	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Ongoing**: Camden Council worked with pupils at three schools (Hawley Primary School, Holy Trinity & St Silas Primary School, and Cavendish School), as part of the Camden Town LEN project, to host a series of assemblies and workshops to raise awareness of the impact of air pollution.

[24] https://news.camden.gov.uk/school-children-plot-a-route-to-cleaner-air-in-camden-town/

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51. Support the NW3 Green School Run project which aims to reduce pollution from the independent school run	Green School Runs has a number of avenues to explore in terms of lessening air pollution through active travel, and these will be promoted through Council channels	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Ongoing**: Green School Runs[25] is represented on the Camden Clean Air Partnership. Camden has been collaborating with Green School Runs to promote the Idling Action London project and anti-idling resources.
52. Determine whether local byelaws could be introduced to address pollution sources currently controlled by not fit for purpose legislation	Where legislation cannot be influenced of amended to afford sufficient regulatory control or enforcement, byelaws will be investigated as an alternative	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Localised solutions**	**Ongoing**: The focus during 2022 has been on lobbying for primary and secondary changes to legislation which will support increased enforcement and regulatory control, including the need for enhanced powers to control domestic burning in smoke control areas.
53. Implement a borough-wide traffic management order (TMO) to enable more robust enforcement of vehicle idling and higher fines	Strengthen the current ETO idling enforcement regime to enable Civil Enforcement Officers to issue penalties for stationary idling offences anywhere in Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Public health and**	**Completed**: Camden's Traffic Management Order[26] (TMO) was advertised in October 2019 and was implemented in January 2020 and is now in full use throughout the borough. In 2022, 4,173 idling drivers were instructed by Camden's Civil Enforcement Officers to switch off their engines, and 65 penalty charge notices (PCNs) were issued for non-compliance.

[25] https://www.greenschoolruns.org/
[26] https://www.camden.gov.uk/tackling-engine-idling

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		awareness raising / Localised solutions	
54. Apply to Mayor's Air Quality Fund (MAQF) and Defra funding to deliver air quality projects	Secure external funding to deliver air quality programmes in Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Localised solutions**	**Completed / ongoing**: Camden was successful in application for Defra Air Quality Grant funding for a project to install mains power supplies at licensed ice cream trading sites. Project has continued throughout 2022, with the power supplies scheduled to be installed in early 2023. Camden Council, in partnership with Canal & River Trust successfully delivered the GLA Good Growth Funded Camden Electric Moorings project in February 2022. 75 individual boaters subsequently have made use of the electric charge points in 2022, saving an approximated 3.2 tCO2. Camden successfully received Defra Air Quality Grant funding for the London Wood Burning Project, a pan-London project jointly led with Islington with the aim tof raising awareness about the impacts upon health from exposure to particulate matter air pollution arising from domestic solid fuel burning. Camden submitted two bids for Defra Air Quality Grant funding in September 2022, with the decision expected in spring 2023.
55. Produce guidance for canal boat users on the impact of wood and coal burning on local air quality and disseminate with the support of the Canal & River Trust	Convey messaging around air quality and public health, opportunities for reducing emissions and exposure, and smoke control regulations relevant to boaters	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting**	**Completed**: Guidance for canal boaters has been published and is available on the AQ webpages[27].

[27] https://www.camden.gov.uk/camden-electric-moorings

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		communities and schools LLAQM theme: **Public health and awareness raising**	
56. Continue to install green infrastructure in Euston Town Business Improvement District (BID) area	Work with Euston town BID to facilitate green infrastructure being installed	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Localised solutions**	**Completed**: A green wall and planters have been installed on North Gower Street as well as a pocket park on Westminster Kingsway.
57. Create an air quality art installation at the Camden Peoples' Theatre to absorb pollution and help raise awareness of pollution	Euston Town BID plans to install a pollution-sequestering art installation on the façade of the Camden People's Theatre, which will raise awareness of air pollution	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Localised solutions**	**Completed**: Installation of the sculpture has been completed[28] and an education programme commenced.
58. Create a green walkway on North Gower Street and a cleaner air walk from Euston station to Regent's Park along Drummond Street and Longford Street	Collaborate with Euston BIDS to create a green walk way on North Grower Street and clean walk routes throughout Euston	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools**	**Completed**: Euston Green Link[29] is completed and has been promoted during 2022.

[28] http://www.camdentownlondon.co.uk/pollution-absorbing-public-sculpture-erected-in-camden/
[29] https://www.eustontown.com/s/Euston-Green-Link

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		LLAQM theme: **Localised solutions**	
59. Support Great Ormond Street Hospital to produce and promote a Clean Air Hospital Framework for use by other NHS and public Health based organisations	The CAHF will be developed collaboratively by Global Action Plan and GOSH and will address various aspects of organisational sustainability and action to reduce air pollution, including emissions from transport, procurement, building operations, and by engaging with patients and staff will raise awareness of air pollution and public health	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: **Localised solutions**	**Completed / Ongoing**: GOSH has promoted the implementation of the framework at hospital trusts throughout England. NHS England now includes air quality in a mandatory self-assessment reporting tool for Estate Teams and includes the CAHF as evidence of addressing AQ issues.
60. Continue to work with the Camden Clean Air Partnership to ensure actions are delivered and further initiatives are developed	Various actions in the CAAP are the responsibility of other CCAP members, and continued collaborate working is crucial to ensure overall successful delivery of the Action Plan	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools** LLAQM theme: Various (covers all areas)	**Ongoing**: Partnership meetings continued in early 2022 to inform and contribute to the development of the Camden Clean Air Action Plan 2022-2026.
61. To create a sustainability steering group (The Sustainers) for year 8 and 9 school children in Camden to support air quality improvements in and around schools	Sustainability steering for schools to cover various sustainability issues, including air quality, with opportunities for funding from CCA members to cover small school-based innovative projects	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting communities and schools**	**Superseded / Ongoing**: The Schools Climate Charter[30] was launched in November 2021. Since the launch of the charter, its schools work has evolved and 'The Sustainers' group no longer exists. 26 schools have signed the Charter, many of which have gone on to set up their own eco groups or identify green champions in their school. When schools were last asked to report on their charter progress (July 2022), the transport and

[30] https://www.camdencca.org/school-climate-charter/

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		LLAQM theme: **Public health and awareness raising**	clean air commitment was the 4th most popular commitment among reporting schools (18/23 at the time). Rewilding was the most popular commitment and 36 schools have signed the Camden BeeLine and embarked on rewilding projects that will improve greening, biodiversity, air quality and well-being. In 2022 the Camden Climate Alliance delivered an event with business and community partners attended by more than 70 secondary students. The students took part in workshops hosted by experts in the field of key climate topics including air quality, climate justice and rewilding. The CCA continues to run informal sustainability peer support sessions every two months for teachers covering a variety of climate topics and to discuss overcoming barriers to the delivery of projects within their respective schools. This work is a focus of Camden's new Clean Air Action Plan's Clean Air outcomes (Outcome 16[31] – Communities and schools: Supporting and empowering communities and schools to reduce and avoid exposure to air pollution).
62. Promote Camden's freight consolidation centre to other boroughs, business improvement districts and private companies	Camden Council consolidates all janitorial and stationary supplies with zero-tailpipe emission last-mile delivery, utilising an electric van and e-cargo bike	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from**	**Ongoing**: Between June and December 2022, the freight consolidation centre cargo bike was able to complete 3,137 miles of deliveries, and the van a minimum of 2,534 miles of deliveries.

[31] https://www.camden.gov.uk/documents/20142/0/Camden+Clean+Air+Action+Plan+2023-2026_Final_2022.12.19+%282%29.pdf/ad618e94-0113-696d-5fc6-104d8969ab5a?t=1671619123044

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		deliveries, servicing and freight LLAQM theme: **Delivery, servicing and freight**	Data are unavailable for the first half of 2022, however it can be assumed that the freight consolidation centre would have carried out a significant number of deliveries during this time.
63. Assist local businesses and BIDs to consolidate services such as deliveries and waste collections	Promote the Council's consolidation centre for use by businesses and BIDs within Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing and freight** LLAQM theme: **Delivery, servicing and freight**	**Completed**: As part of the CRP CAV3 project Camden Council has encouraged businesses around Grays Inn Road to consolidate deliveries, through a time-limited offer of free last-mile consolidation with support from CRP. The Camden Climate Change Alliance has worked with the Knowledge Quarter to promote delivery consolidation including use of Camden's consolidation centre. This project concluded in March 2021. One business in the Grays Inn Road area has since switched to using last mile consolidation. Further work in this area was not a priority during 2022, although the use of delivery and/or waste consolidation forms a standard part of any advice given to businesses about how to reduce air pollution and environmental impacts.
64. Create an online signposting hub on Camden's website that highlights funding opportunities for air quality positive technology (electric vehicles, EV charging, cargo bikes, etc.)	Promote all funding sources available for businesses, BIDs, community groups and residents which may help to achieve emissions reductions	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries,**	**Completed/ Ongoing**: Air quality[32] and sustainability web pages (on the Council's main website) are continually reviewed and edited to ensure that information is showed in an accessible way and include funding opportunities such as the Camden Climate

[32] https://www.camden.gov.uk/air-quality

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		servicing and freight LLAQM theme: **Localised solutions**	Fund[33]. In 2022, the Clean Air for Camden[34] webpages were updated. The Camden Climate Alliance already promotes[35] funding opportunities.
65. Signpost Council suppliers and external businesses to the DfT Clean Van Commitment scheme, the Logistics Emissions Reduction Scheme (LERS) and the freight portal	Work with the Camden Climate Change Alliance to inform businesses of what current grants are available to them	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing and freight** LLAQM theme: **Cleaner transport / Delivery, servicing and freight**	**Completed / Ongoing**: Camden has signed up to the Clean Van Commitment (CVC)[36] and continues to advocate partners and stakeholders to pledge their commitment to the scheme. The Green Vehicle Fleet Standard for Contractors has been updated to require signing up to the CVC and other schemes which demonstrate support for lower-emission vehicles and offer training opportunities for drivers. CVC has also been promoted via the Idling Action London project and included in template Green Vehicle Fleet Standard for Contractors policy shared with other Local Authorities.
66. Trial using cargo bikes in our own freight consolidation project	Reduce last-mile delivery emissions by trialling cargo bikes as an option for freight consolidation	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight**	**Completed / ongoing**: An electrically-assisted cargo bike is being used for zero-emission last-mile delivery from Camden's freight consolidation centre. Between June and December 2022, the freight consolidation centre cargo bike was able to complete 3,137 miles of deliveries. In addition, an electric van has also been supporting last mile deliveries.

[33] https://www.camden.gov.uk/camden-climate-fund
[34] https://www.camden.gov.uk/clean-air-for-camden
[35] https://www.camdenclimatealliance.org.uk/get-involved/camden-climate-fund/
[36] https://www.globalactionplan.org.uk/clean-van-commitment-signatories

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		LLAQM theme: **Delivery, servicing, and freight**	
67. Reduce emissions from Council fleet, targeting a low and zero tailpipe emission fleet by 2022	Camden operates over 300 vehicles for the delivery of a range of services, and has objectives to move to a zero-tailpipe emission fleet by 2022	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Borough fleet**	**Ongoing**: Camden's fleet replacement is progressing, with 21% of the fleet now updated to bi-fuel, hybrid, electric or CNG, an increase of 2% from 2021. Contract Managers and Fleet Managers routinely report on progress to the Cabinet Member for a Sustainable Camden to ensure oversight of this process.
68. Open Camden's compressed natural gas facility at York Way to third party businesses	Camden's biomethane CNG refuelling facility at York Way represents an option for low-carbon vehicle fuel, which is preferable to diesel in terms of local air pollution	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Localised solutions / Cleaner transport**	**Completed / ongoing**: The CNG facility has been opened up to businesses and other external organisations.
69. Ensure air quality is included in all procurement processes and favours suppliers with low or beneficial impacts on air quality	Ensure that air quality is fed through procurement processes	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from**	**Ongoing process**: Camden's Green Vehicle Fleet Standard for Contractors has been updated to include relevant requirements for the procurement of contracts and services which involve the use of vehicles.

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		deliveries, servicing, and freight LLAQM theme: **Localised solutions / Delivery, servicing, and freight**	In 2022, Camden's vehicle fleet standards were updated to ensure consideration of air quality during procurement. This action has been carried forward in Camden's new Clean Air Action Plan's (Outcome 26 – Reduced indirect emissions through procurement[37]).
70. Promote the use of low-/zero-tailpipe emission delivery services through the Camden Climate Alliance	Work with the Camden Climate Alliance to promote behaviour change around driving	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Delivery, servicing, and freight**	**Ongoing**: The Camden Climate Alliance (CCA) has supported in the promotion of the Council's freight consolidation centre for use by businesses and other organisations as one of several options to reduce emissions from delivery, servicing, and freight.
71. Create a low/zero emission servicing, delivery, and freight action group with other London authorities to ensure a joined-up approach to limit impact on servicing, delivery and freight providers	Coordinate through the Central London AQ Cluster Group and others to instigate a new approach to tackle emissions from servicing, delivery, and freight	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing and freight**	**Ongoing**: This issue has been discussed periodically at the Central London Air Quality Cluster Group, however officers felt that the desired outcome is to an extent achieved by the TfL Freight Working Group, which a Camden Principal Transport Planner attends.

[37] https://www.camden.gov.uk/documents/20142/0/Camden+Clean+Air+Action+Plan+2023-2026_Final_2022.12.19+%282%29.pdf/ad618e94-0113-696d-5fc6-104d8969ab5a?t=1671619123044

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		LLAQM theme: D**elivery, servicing, and freight**	
72. Provide Smarter Driver (Ecodriving) Training for drivers of vehicles in the Council fleet, i.e., through training in fuel-efficient driving and providing regular re-training for staff	Driver training is being delivered through the London idling action programme	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Borough fleet / Localised solutions**	**Completed / ongoing**: This action has been improved in that Camden promotes both the Ecodriving training and also the driver training resources offered for free by the MAQF Idling Action London[38], which is jointly led by Camden Council and City of London Corporation. Contractors and service providers are required to provide driver training through the Council's Green Vehicle Fleet Standard for Contractors, and Camden itself has taken Idling Action's #EnginesOff pledge[39] to avoid engine idling from its own fleet (this commitment includes provision of training for Camden's drivers).
73. Investigate creating a waste consolidation programme for businesses in the Hatton Garden and Fitzrovia Business Improvement District areas	Work with BIDs to reduce emissions from waste collections where businesses in close proximity are currently using different service providers	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Localised solutions / Delivery,**	**Ongoing**: Fitzrovia Partnership BID has a preferred supplier which encourages businesses within the BID area to use the same suppliers for recycling and waste collection and business supplies, reduces traffic and pollution in Fitzrovia. Nearly 100 businesses are participating in the Preferred Suppliers Scheme. The business supply company DMG has introduced electric vehicle deliveries to Fitzrovia and is currently promoting its service to members. In addition, Cross River Partnership with UPS is delivering a walking freight travel in Fitzrovia. Deliveries are being consolidated and then delivered on foot for the

[38] https://idlingaction.london/resources-1
[39] https://news.camden.gov.uk/covid-19-new-call-for-londons-drivers-to-turn-engines-off/

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		servicing, and freight	last mile with the assistance of an e-walker. All these initiatives work together to reduce air pollution in the Fitzrovia area.
74. UCL to deliver a logistics plan for the Bloomsbury campus, consolidating deliveries and reducing vehicle emissions and congestion	Help to facilitate the implementation of a logistics plan at UCL Bloomsbury campus to help reduce emissions	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Delivery, servicing, and freight / Cleaner transport**	**Ongoing**: Logistics hub work is ongoing. UCL continues to make progress on its Wild Bloomsbury[40] programme with a variety of new planting around the campus and, notably, a recent student-led planting initiative in our Medawar Gardens. The ultimate target is 10,000m^2 of new or enhanced biodiverse green space. Additionally, UCL has added a total of 78 more cycle parking facilities on and around the main campus – including an enclosed shelter with green roof at Francis Gardner Hall of residence.
75. UPS to complete power supply upgrade and installation of Smart Grid technology at the Kentish Town UPS depot to support the electrification of UPS's central London fleet of 170 vehicles	Reduce emissions from UPS's London fleet by installing EVCPs and ancillary technologies at the Kentish Town depot	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Delivery, servicing, and freight**	**Completed**: Smart Grid technology[41] was installed at the Kentish Town depot, which allows for a fully-EV fleet that has now been operational for several years.

[40] https://www.ucl.ac.uk/sustainable/wild-bloomsbury-resources
[41] https://www.ukpowernetworksservices.co.uk/case-studies/ups-smart-electric-urban-logistics-project/

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76. John Lewis Partnership to fit 'Microlise' routing and scheduling software to optimise routing and load consolidation and reduce the number of vehicles entering the capital	Work with John Lewis partnership to help facilitate	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Delivery, servicing, and freight**	**Completed**: The 'Microlise' routing software is contributing to optimising routes to delivery within the capital.
77. Waitrose to use lorries which are run entirely on bio methane gas generated from food waste	Work with John Lewis partnership to help facilitate	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries, servicing, and freight** LLAQM theme: **Delivery, servicing, and freight / Cleaner transport**	**Ongoing**: The Partnership has now committed to running its primary (Heavy) fleet on CNG (Bio methane by 2028. A trial of electric 3.5T delivery vans is currently underway at Waitrose St Katherine Docks, where charging is via inductive plate.
78. John Lewis Partnership to work towards converting all standard heavy trucks to gas upon renewal	Work with John Lewis partnership to help facilitate	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Reducing emissions from deliveries,**	**Ongoing**: See update on action 77 above.

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		servicing, and freight LLAQM theme: **Delivery, servicing, and freight / Cleaner transport**	
79. Ensure Directors of Public Health are fully briefed on the scale of the air quality problem in Camden; what is being done, and what further action is needed	Ensure that reoccurring scheduled meetings are held between the air quality team and public health to ensure a cohesive approach	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Camden's Sustainability, Air Quality & Energy Management team works closely with Public Health to update air quality information and promote public health messaging around air quality. This includes ensuring the Director of Public Health is aware of any regional-scale interventions or policy changes which may be introduced by the Mayor of London or the GLA.
80. Directors of Public Health to have responsibility for ensuring their Joint Strategic Needs Assessment (JSNA) has up-to-date information on the health impacts of air quality impacts on the population	Ensure that all future JSNA have up to date information on the health impacts of poor air quality and are overseen by the Director of Public Health	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Camden's JSNA[42] for air quality is kept under continual review. In 2022, Camden's Director of Public Health contributed to and approved the new Clean Air Action Plan 2022-2026. Public Health also provided support for Air Quality led projects, such as Camden's Mayor of London-funded Future Neighbourhoods 2030[43] programme in the Somers Town ward.
81. Require the Public Health teams to support engagement with local stakeholders	Public Health colleagues to support with ensuring the air quality and public health	Camden's Clean Air Action Plan 2019-	**Ongoing**: In 2022, Camden's Air Quality Team and Public Health worked together to establish

[42] https://www.camden.gov.uk/joint-strategic-needs-assessment
[43] https://somerstownfn2030.commonplace.is/

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(businesses, schools, community groups and healthcare providers)	messages are conveyed throughout various social and economic communities, and in other sectors	2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	communications links with healthcare professionals and community groups to enable the sharing of information on air quality and its impact on health.
82. Work with Public Health to strengthen engagement with Camden's Clinical Commissioning Group and Camden's GP surgeries	Ensure that clinicians in Camden are fully aware of the associations between exposure to air pollution and adverse health outcomes, and can highlight to patients any opportunities for reducing exposure to air pollution in Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Camden continues to improve connections with Camden CCG, hospitals in the borough, and North Central London[44] (NCL) and Healthy London Partnership[45] (London Asthma Leadership and Implementation Group for Children & Young People, LALIG), as well as new partnership with London Clinical Senate. Work is ongoing to strengthen links with primary care providers.
83. Ensure that the Leader of the Council, Cabinet Members for Health and Transport and the Head of Transport Strategy have been fully briefed on the Public Health duties and the fact that all Directors are responsible for delivering them, as well as on air quality opportunities and risks related to transport in the borough	Secure a deep organisational awareness of the importance of air quality and the deleterious health effects of exposure to air pollution, such that senior management and councillors are aware of the need to improve air quality throughout the borough	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Completed / ongoing**: This is standard practice now.
84. Strengthen co-ordination with Public Health by ensuring that at least one Consultant-grade public health specialist within the	Secure alignment of Public Health and air quality work to ensure all	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme:	**Ongoing**: Camden's air quality officers work closely with Public Health, which continues to support and facilitate

[44] http://conversation.northlondonpartners.org.uk/
[45] https://www.healthylondon.org/resource/air-quality-2/

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borough has air quality responsibilities outlined in their job profile	opportunities for engagement with medical and practitioners is realised	**Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	community engagement in raising awareness of air pollution as a risk for health. Public Health supported the Council in delivery of the Clean Air Hospital Framework programme at UCLH and Royal London Hospital.
85. Require the Director of Public Health to sign off Statutory Annual Status Reports and all new Clean Air Action Plans	Ensure that the Director of Public Health is aware of statutory obligations to measure and improve air quality, as well as progress on this agenda	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Completed / ongoing**: This is standard practice now.
86. To work with Public Health and council resilience teams to ensure that vulnerable people are aware of high pollution days and the action they can take to reduce their exposure	Disseminate pollution alerts through council social media and other channels, and ensure other council teams (for example, Housing, HS2 Community Liaison, etc.) are able to signpost service users to relevant resources	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Camden Council continues to promote *air*TEXT through the main council website[46] to raise awareness of air pollution as a health risk and to help provide alerts in advance of any forecast high-pollution days. In 2022, Camden Council launched its Mayor of London funded Future Neighbourhoods 2030 programme. This project will deliver 10 projects within the Somers Town ward of Camden in 2022 with the aim to make the neighbourhood more sustainable. As part of this, the Air Quality Team delivered community air quality monitoring and engagement activities to develop new targeted interventions to support those most impacted by air pollution and to tackle the disproportionate and

[46] https://www.camden.gov.uk/clean-air-for-camden

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			inequitable impact upon vulnerable people, lower-income communities, and Black, Asian and minoritised ethnic groups. In 2022, there were: • 20 new diffusion tube monitoring sites installed in the Somers Town ward. • 17 indoor air quality and two personal exposure monitors loaned out to Somers Town residents. • Six home visits by a 'Green Doctor', who conduct home visits to residents to provide information on improving their energy efficiency and indoor air quality. Green Doctors also are able to provide energy saving devices to residents. • Several events and talks were held by Camden's Air Quality Team to residents to raise awareness of air pollution and the impact it may have on their health.
87. Deliver community-led air quality monitoring projects annually	Establish a community led air quality monitoring project	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising / Monitoring and other core statutory duties**	**Ongoing**: Camden supported the delivery of a community air pollution sensors project[47] delivered by PPL PWR and the Camden Clean Air Initiative, which involved engaging two secondary schools, teaching students about air pollution before working with them to build their own air quality sensors and undertake monitoring. These sessions were held in March and April 2022. Camden further supported PPL PWR by providing colocation opportunities with the Council's reference automatic monitoring sites.

[47] https://camdencleanair.org/projects/caps-project/

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			The CHAMP research in collaboration with LSE was implemented in early 2022, where residents were recruited to host monitors in their homes to explore the use of air quality information to inform and alter behaviours to reduce exposure. There were 163 participants in 2022. Across 2022, Camden provided training and support to the Hampstead Neighbourhood Forum's own community led diffusion tube monitoring project.[48] In 2022, Camden Council launched its Mayor of London funded Future Neighbourhoods 2030 programme. As part of this, the Air Quality Team have delivered multiple community-based air quality monitoring activities in 2022 (see measure 86 for more detail).
88. Promote and support *air*TEXT pollution alerts system	Increase the subscription to the *air*TEXT pollution alerts in Camden, to ensure that vulnerable people are aware of forecast pollution events whilst raising general awareness of the importance of air quality as a health determinant	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Camden Council continues to promote *air*TEXT through the main council website[49] to raise awareness of air pollution as a health risk and to help provide alerts in advance of any forecast high-pollution days. By the end of 2022 there were 675 active subscribers receiving alerts for Camden, which is an increase of 42 from the previous year. The majority of subscribers receive alerts via SMS text. Camden had 22 alert days during 2022 and a total of 8,357 alert messages were sent to Camden subscribers.

[48] https://www.hamhigh.co.uk/news/23438126.hampstead-neighbourhood-forum-air-pollution-test-results/
[49] https://www.camden.gov.uk/clean-air-for-camden

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
89. Promote cleaner walking routes and signposting to free air quality route mapping apps and websites	This action will be linked with action 98 to signpost clean air routes in Camden	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Cleaner air walking routes are promoted in engagement with the public and schools. As part of the Camden Town LEN project, three primary schools began work to produce a low pollution, cleaner air walking routes map for their area (see action 48 for further details).
90. Send out air pollution alerts via various council communication outlets (Facebook, Twitter, etc.)	Disseminate pollution alerts through council social media channels	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Air quality-focused tweets were posted at various times during 2022 to raise awareness of specific issues and to promote resources and opportunities for the public to help reduce their contribution and exposure to air pollution. This included content about the avoidance of wood- and coal-burning, garden bonfires, National Clean Air Day, sustainable and active travel, indoor air quality, and vehicle engine idling.
91. To continue to deliver our Clean Air for Camden engagement programme	Maintain momentum and programme visibility through the continued delivery of air quality engagement under the Clean Air for Camden banner	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: In 2022, Camden Council utilised communications through social media to continue to deliver the Clean Air for Camden engagement programme. Camden promoted a range of materials, including indoor air quality guidance for residents[50], advice on wood-burning[51], and comms around National Clean Air Day, as well as online webinars and in-person school assemblies as part of the Camden Low Emission Neighbourhood project.

[50] https://www.camden.gov.uk/documents/20142/0/Camden+Improving+Indoor+Air+Quality+-+Advice+for+Homes+FINAL_v2_April21.pdf/b3d7bfea-6ce1-27b2-967a-7d5be3bcb6c7?t=1619615988707

[51] https://www.camden.gov.uk/documents/20142/0/Wood-+and+Coal-Burning+in+Camden+Winter+2020-21+FINAL.pdf/f417cc5a-8237-df1a-50ed-27ce77c54966?t=1605097492123

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
			Camden's Air Quality Team hosted and attended several events to engage stakeholders over the new Camden Clean Air Action Plan 2023-2026 and ran an online public consultation between August and October 2022.
92. Deliver anti-idling engagement via community-led projects	Work with community volunteers to carry out targeted idling action engagement events and awareness-raising initiatives	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Ongoing**: Camden co-led (with City of London Corporation) the MAQF Idling Action London[52] project, through which dedicated officers produced and promoted resources for communities and individuals to undertake local anti-idling engagement projects. The Idling Action London project completed in March 2022, however Camden has continued to participate in the legacy working group (see action 53 for more detail). Due to limited capacity within the Air Quality Team, Camden was unable to participate in any anti-idling engagement activities in 2022.
93. Camden staff who are regularly out and about will be encouraged to engage with idling vehicles in the promotion of best practice in driving	Provide training for Camden staff who may encounter idling drivers, to raise awareness of engine idling and air pollution and provide key messages to persuade drivers to switch off their engines	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Completed**: In October 2020 Camden air quality officers ran a lunchtime webinar for Camden staff to raise awareness of air pollution as a health risk and to highlight the Council's air quality programme, as well as individual actions which can help reduce air pollution. This included suggesting participating in Idling Action Events (direct driver engagement events) through Idling Action London, in addition to ad hoc engagement with idling drivers. A recording of the training was made available via the e-learning platform so further encourage future staff to learn about and engage with idling drivers.

[52] https://idlingaction.london/

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94. Produce a toolkit on indoor air pollution and how to reduce personal exposure	Produce guidance for residents on sources of indoor air pollution (in the home) and how to avoid and mitigate poor indoor air quality	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Completed**: Camden's Improving Indoor Air Quality: Advice for Homes guidance was published in April 2020 and is accessible on the Council website. An updated version[53] was published in April 2021.
95. Produce a toolkit for businesses on how they can reduce pollution and pollution exposure	Produce guidance for businesses on reducing sources of indoor and outdoor air pollution, signposting funding opportunities for reducing emissions, and relevant regulations	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising / Emissions from developments and buildings**	**Ongoing**: Due to resourcing constraints work did not progress on the indoor air quality guide for businesses and there were no capacities for businesses to respond to requests for an air quality audit. A research project was developed to explore the impact of commercial cooking and kitchen ventilation on indoor air quality. This was completed in early 2022, the results of which were shared with colleagues from other London local authorities during an AQ Cluster Group Meeting. Camden worked with the City of London Corporation, Westminster Council, the GLA to explore the feasibility of further research into air quality mitigation measures for commercial catering however as of the end of 2022, funding has not been secured.
96. Promote and deliver air quality projects on National Clean Air Day and National Car Free Day	Build momentum for Clean Air for Camden air quality behaviour change campaign through promotion of NCAD and CFD	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising**	**Ongoing**: Camden officers hosted an outdoor community event in the Somers Ward for Clean Air Day 2022 which was well attended by local organisations and stakeholders of all ages.

[53] https://www.camden.gov.uk/documents/20142/0/Camden+Improving+Indoor+Air+Quality+-+Advice+for+Homes+FINAL_v2_April21.pdf/b3d7bfea-6ce1-27b2-967a-7d5be3bcb6c7?t=1619615988707

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		LLAQM theme: **Public health and awareness raising**	Digital engagement included a series of air quality-related Tweets on the Council's corporate Twitter account.
97. Provide anti-idling banners for primary schools in Camden	Provide anti-idling banner workshops for schools and produce completed banners based upon pupils' designs	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Localised solutions / Public health and awareness raising**	**Ongoing**: Schools taking part in Idling Action London's air quality and anti-idling workshops[54] are eligible to receive banners.
98. Improve signposting for cleaner air walking routes	Ensure less polluted streets and walking routes are visible for pedestrians, to encourage healthier travel and awareness of the associations between air quality and health	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Updated air quality webpages[55] were published in 2022, including reference to cleaner air walking routes. As part of the Camden Town LEN project, three primary schools began work to produce a low pollution, cleaner air walking routes map for their area (see action 48 for further details).
99. Expand the air pollution monitoring network in Camden and provide the monitoring information in an easy-to access manner through Open Data and London Air	Achieve better air quality data coverage for the purpose of measuring compliance with legal objectives and WHO guidelines, and assessing changes in air quality in response to policy or projects	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising**	**Ongoing**: Camden's air quality monitoring network expands year-on-year. By the end of December 2022 air quality monitoring was undertaken at 253 diffusion tube monitoring locations.

[54] https://idlingaction.london/blog-2/blog-post-title-one-bhfnp
[55] https://www.camden.gov.uk/air-quality

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		LLAQM theme: **Monitoring and other core statutory duties**	Swiss Cottage and Coopers Lane automatic monitoring sites underwent complete refurbishment and upgrade in early 2022. Camden started a project with Airscape in 2021 which sought to deploy up to 250 low-cost air quality sensors throughout the borough. Over 150 of these were installed in early 2022, with the Airscape platform[56] launching publicly on 30th June[57].
100. Provide air quality information at healthcare facilities, libraries, pharmacies and other frequently used public buildings	Produce posters with key messages about exposure to air pollution and associated health impacts, both in relation to ambient and indoor air pollution	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Monitoring and other core statutory duties / Public health and awareness raising**	**Ongoing**: Camden worked with North Central London (NCL)[58] to produce a poster[59], leaflet[60] and recording[61] to raise awareness of the impact air pollution has on human health. In addition, the poster has been used as part of the Future Neighbourhoods project in the Somers Town ward. In 2022, these materials were promoted in correspondence and engagement with public health organisations and stakeholders in the health and social care sector. NCL has been auditing GP practice electronic messaging screens with the intention of resolving issues which had previously hindered promotion of air quality messages in Camden GP practices.

[56] https://airscape.ai/map/GB_CMD?p=AQI&pollutant=AQI&project=GB_CMD&v=now&view=now
[57] https://camdencleanair.org/blog/airscape-launches-in-camden/
[58] https://nclhealthandcare.org.uk/keeping-well/asthma-and-air-quality/
[59] https://nclhealthandcare.org.uk/wp-content/uploads/2022/08/Asthma-2785.54-Asthma-campaign-materials-2022-Poster-V9-FINAL_English_no-crops.pdf
[60] https://nclhealthandcare.org.uk/wp-content/uploads/2022/08/Asthma-2785.54-Asthma-campaign-materials-2022-LEAFLET-V7-FINAL_English_no-crops.pdf
[61] https://www.youtube.com/watch?v=iWTLa4AxG84

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
101. Make accessible King's College modelling on WHO guidelines in Camden to explain the future trajectory of pollution	Ensure the Camden 2030 WHO modelling outcomes are available online on the Council's website, and related to the Clean Air Action Plan	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Monitoring and other core statutory duties / Public health and awareness raising**	**Completed**: The WHO 2030 Technical Report[62] was published and is available to view or download on Camden's air quality webpages.
102. Support the monitoring and delivery of the Children's Health in London & Luton (CHILL) project	Facilitate where possible research to better understand the impact of exposure to air pollution for health over the long-term	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Public health and awareness raising**	**Ongoing**: Camden supported the CHILL project and a Camden primary school participated in this research, although the Council is not directly involved.
103. Promote the Euston Business Improvement District's dedicated air quality page signposting to air quality information, projects, forums, clean walking routes, zero-emission delivery services, etc.	Ensure that Euston BID's air quality pages are promoted though the Camden Climate Change Alliance to businesses within the local area	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising**	**Ongoing**: Euston Town BID continues to raise awareness of air pollution through its website[63], promoting air quality improvement programmes and cargo bike deliveries.

[62] https://www.camden.gov.uk/documents/20142/0/Camden+WHO+Objectives+-+Technical+Report+Final.pdf/54257446-cb83-efca-d904-fcd14b3b3850
[63] https://www.eustontown.com/air-quality-hub

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		LLAQM theme: **Localised solutions / Delivery, servicing, and freight**	
104. Euston Town BID to signpost its members to deliverBest which provides practical proven solutions that allow business deliveries to be more efficient and reduce impact on air quality	Ensure that businesses are signposted to deliverBest in Euston Town comms and on the BID's website, with additional supporting promotion on the Camden Climate Change Alliance website (and news bulletins)	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Localised solutions / Delivery, servicing, and freight**	**Ongoing**: Euston Town BID continues to promote deliverBest on its website[64].
105. John Lewis Partnership to encourage use of electrically powered fridge units by showcasing their demonstration truck for other organisations	Achieve emission reductions by cutting pollution from HGV ancillary refrigeration engines	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Public health and awareness raising** LLAQM theme: **Delivery, servicing, and freight**	**Ongoing**: John Lewis Partnership continues to work with its fridge suppliers to fit alternator drives to power refrigerated units electrically via the vehicle engine.
106. Lobby national Government to tighten smoke control regulations and ban the use	Push for greater regulatory control over the use of solid fuel-burning appliances in smoke control areas, for the purpose	Camden's Clean Air Action Plan 2019-	**Ongoing**: Tightening controls of smoke control regulations is a priority lobbying action for Camden. Officers have worked with the Cabinet Member for a

[64] https://www.eustontown.com/

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
of fireplaces and wood burners in areas well-served by cleaner heating sources	of reducing particulate emissions and the associated health burden imposed by $PM_{2.5}$	2022 (CAAP) theme: **Lobbying** LLAQM theme: **Localised solutions**	Sustainable Camden to develop a headline lobbying position addressing the need for stricter national regulation of the use of solid fuel burning appliances and the devolution of local or regional autonomy to set additional local restrictions as required. Officers are involved in a GLA-organised wood burning working group, with representation from many other London local authorities, which is looking at ways to support the development of a GLA communications campaign aimed at wood burning behaviour change. In 2022, Camden was awarded Defra Air Quality Grant Scheme funding for a pan-London project to raise awareness of the impacts upon health from exposure to particulate matter air pollution arising from domestic solid fuel burning. There are 15 London boroughs working in partnership to deliver this project (the London Wood Burning Project), with Camden and Islington jointly leading. In winter 2022 Imperial College London carried out a research project as part of this Project, which tested a variety of fuel types in different domestic solid fuel burning appliances in volunteers' homes. The results of this will be published in 2023.
107. Support national Government's proposal to phase out diesel trains by 2040 and lobby to implement this measure sooner	Diesel rail is estimated to contribute approximately 7% of NOx emissions in Camden and without clear plans to electrify rail freight the air quality impact of rail will not decline as rapidly as other emission sources	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Cleaner transport**	**Ongoing**: Replacement of the UK's ageing diesel train fleet is a priority lobbying action for Camden. Officers have worked with the Cabinet Member for a Sustainable Camden to engage rail and transport unions and other local authorities to develop a joint lobbying position. No further opportunities to lobby have occurred during 2022.

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
108. Lobby national Government to provide a robust vehicle scrappage scheme to accelerate the shift towards ultra-low emission vehicles and electric vehicles	Push for financial support to incentivise uptake of ULEVs and zero-tailpipe-emission vehicles by introducing a national scrappage scheme	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Cleaner transport**	**Ongoing**: No opportunities to progress this action were available during 2022
109. Support the Mayor's ULEZ but keep lobbying for a London wide ULEZ	Lobby for ULEZ emission controls to apply across all of London to ensure clarity for motorists and fleet operators, and to avoid the displacement of polluting vehicles from Central and Inner London to Outer London boroughs	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Cleaner transport**	**Completed**: Camden continued to support the expansion of the ULEZ throughout Greater London in 2022, but with a recommendation to set out a clear pathway for tightened standards introduced through a phased approach focusing initially on the original ULEZ area, with a robust scheme to support low-income households and small businesses where needed.
110. To work with other London authorities in lobbying large delivery companies such as Amazon to reduce their environmental impact	Collaborate with London authorities to push for voluntary improvements to delivery company vehicle fleets	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Delivery, servicing, and freight**	**Ongoing**: Fleet operators were contacted through Idling Action London's #EnginesOff[65] fleet engagement programme and offered resources to improve fleets.
111. Continue to support measures introduced by the Mayor of London and national Government to improve air quality	Work with existing and new legislation and policy positions to reduce emissions and protect health, whilst pushing for increased action at London-wide and national scale	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying**	**Ongoing**: Camden continues to support[66] strengthening air quality objectives and regulations to reduce emissions and protect health.

[65] https://idlingaction.london/blog-2/businesses-and-fleets
[66] https://news.camden.gov.uk/camden-councils-statement-on-the-ella-adoo-kissi-debrah-inquest/

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
		LLAQM theme: **Localised solutions**	
112. Lobby national Government to reduce the amount of biomass burning throughout the UK, and avoid coal-to biomass power plant conversions for decommissioned coal power stations	Conversion of coal power stations to use biomass fuels represents a continued risk to air quality objectives, so this repurposing should be avoided	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Localised solutions**	**Ongoing**: Work has not yet commenced on this lobbying action as other lobbying positions were prioritised over biomass burning in 2022. The Council's new Camden Clean Air Action Plan 2023-2026 outcome 29[67] commits the Council to actively lobby for action on air quality and health, which would include reducing biomass burning.
113. To continue to work with GLA and other London authorities to take a stricter stance on construction and building emissions	Ensure linked up working across London authorities and the GLA is maintained to ensure planning policies at London-wide and local scale are tightened with respect to construction and in-use (operational) emissions, with clearer mechanisms for enforcement and greater uniformity in standards throughout London	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Camden participates in the LB Merton-led MAQF-funded NRMM project which entails dissemination of guidance on NRMM and active enforcement of NRMM conditions on major development sites. Camden will push for greater control at local authority level for planning policy and planning enforcement. Camden officers respond to consultations from national Government and GLA (for example the AQN and AQP consultations) which relate to development and planning controls and especially where these have implications for local air quality and public pollution exposure. Camden will continue to advocate for and apply stringent policy which facilitates sustainable development in a way which minimises the climate and air quality impacts of new development and refurbishments, during both the construction phase and the operational phase.

[67] https://www.camden.gov.uk/documents/20142/0/Camden+Clean+Air+Action+Plan+2023-2026_Final_2022.12.19+%282%29.pdf/ad618e94-0113-696d-5fc6-104d8969ab5a?t=1671619123044

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
114. Lobby national Government to put pressure on continental European countries to reduce the burning of coal, biomass and other fossil fuels	Particulate matter is a transboundary pollutant and it is imperative that collective international effort is applied to improve air quality and protect health throughout Europe	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Emissions from developments and buildings**	**Ongoing**: Not progressed during 2022 due to the focus on UK legislation and air quality targets.
115. To provide a way for citizens and local businesses to join in support of the lobbying actions within this plan	Work directly with the local community and stakeholders to develop lobbying actions, and ensure that the public has visibility of the CAAP and ongoing work within the air quality programme, with potential for participation wherever possible to maintain the 'shared endeavour' spirit of the Action Plan	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Public health and awareness raising / Localised solutions**	**Ongoing**: In early 2022, several sessions were held with the Camden Clean Air Partnership on how to develop and implement the new Camden Clean Air Action Plan 2022-26.
116. To take forward additional lobbying actions determined by the WHO study to drive national progress towards WHO compliance	Ensure that existing lobbying actions work towards WHO compliance, and use WHO guideline study and other sources of air quality modelling and data to identify further priority lobbying positions to work towards the overarching WHO guideline objective	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Lobbying** LLAQM theme: **Localised solutions**	**Ongoing**: This is kept under continual review and Camden will lobby where needed to drive national progress towards compliance with the World Health Organization air quality standards.
117. Work with the canal boating community to reduce emissions from diesel engines while moored (NEW ACTION)	Install mains electricity supplies at visitor mooring locations along the Regent's Canal to enable boaters to utilise clean	Camden's Clean Air Action Plan 2019-2022 (CAAP) theme: **Supporting**	**Completed**: Camden received[68] £65,500 through the GLA's Good Growth Fund programme for the installation of mains electricity supplies at the visitor mooring zone on the Regent's Canal between Camley Street and St.

[68] https://news.camden.gov.uk/camden-electric-moorings-project-funding-awarded/

Measure (Number corresponds with CAAP Action ID)	Action	LLAQM Action Matrix Theme	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
	electricity rather than relying on diesel engines for power.	**communities and schools** LLAQM theme: **Localised solutions**	Pancras Way. This is a collaborative project between Camden and the Canal & River Trust. Installations took place in early 2022 and by the end of 2022 the Camden Electric Moorings[69] had been utilised by 75 individual boaters.

Notes:

Some of the web links provided in Table K (and elsewhere in this Report) may become defunct as they are replaced or amended at a later date.

[69] https://www.camden.gov.uk/camden-electric-moorings

3. Planning Update and Other New Sources of Emissions

Table L. Planning requirements met by planning applications in Camden in 2022

Condition	Number
Number of planning applications where an air quality impact assessment was reviewed for air quality impacts	54
Number of planning applications required to monitor for construction dust	39
Number of CHPs/Biomass boilers refused on air quality grounds	N/A – no applications were directly refused on this basis. Does not include proposals requested to remove CHP prior to decision following consultation, as per Camden practice
Number of CHPs/Biomass boilers subject to GLA emissions limits and/or other restrictions to reduce emissions	N/A – does not account for proposals requested to change CHP details to meet restrictions prior to planning decision following AQ consultation (as per typical Camden practice)
Number of developments required to install Ultra-Low NO_x boilers	This is required through policy compliance 4.15 from Camden's Planning Guidance: Air Quality
Number of developments where an AQ Neutral building and/or transport assessments undertaken	23
Number of developments where the AQ Neutral building and/or transport assessments not meeting the benchmark and so required to include additional mitigation	2
Number of planning applications with S106 agreements including other requirements to improve air quality	Not current practice at Camden
Number of planning applications with CIL payments that include a contribution to improve air quality	Not current practice at Camden
NRMM: Central Activity Zone , Canary Wharf and Opportunity Areas Number of conditions related to NRMM included. Number of developments registered and compliant. Number of audits % of sites unregistered prior to audit Please include confirmation that you have checked that the development has been registered with the GLA through the relevant NRMM website and that all NRMM used on-site is compliant with Stage Stage IV of the Directive and/or exemptions to the policy.	Ten sites inside the CAZ newly registered on Non-Road Mobile Machinery (NRMM) | London City Hall in 2022. Nine sites inside the CAZ area were audited during 2022 through the NRMM compliance project (Cleaner Construction for London). All sites were compliant after being audited.

Condition	Number
	Camden's CMP pro forma contains a requirement for sites to ensure NRMM is compliant and registered. Conditions relating to NRMM compliance are included in decision notices for many applications, however the total number of conditions for planning permissions granted in 2022 is not currently retrievable. Camden's Sustainability team is working with the Council's Planning service to ensure NRMM conditions are applied routinely, with up-to-date wording as provided by LB Merton's Cleaner Construction for London project coordinator.
NRMM: Greater London (excluding Central Activity Zone, Canary Wharf and Opportunity Areas) Number of conditions related to NRMM included. Number of developments registered and compliant. Number of audits % of sites unregistered prior to audit Please include confirmation that you have checked that the development has been registered at www.nrmm.london and that all NRMM used on-site is compliant with Stage IIIB of the Directive and/or exemptions to the policy.	11 sites inside the CAZ newly registered on Non-Road Mobile Machinery (NRMM) | London City Hall in 2022. Eight sites outside the CAZ area were audited during 2022 through the NRMM compliance project (Cleaner Construction for London). 6 of these sites were found to be compliant following auditing and one site was non-compliant. Camden's CMP pro forma contains a requirement for sites to ensure NRMM is compliant and registered. Conditions relating to NRMM compliance are included in decision notices for many applications, however the total number of conditions for planning permissions granted in 2022 is not currently retrievable. Camden's Sustainability team is working with the Council's Planning service to ensure NRMM conditions are applied routinely, with up-to-

Condition	Number
	date wording as provided by LB Merton's Cleaner Construction for London project coordinator.

3.1 Camden Council's process for reviewing air quality through the planning system

Pre-planning and planning application stage

Camden's Sustainability Planning Team is a statutory consultee and officers review planning applications from an air quality, energy/carbon, and flood risk/LLFA perspective, and work closely with the Air Quality Programme Manager, the Air Quality Planning Officer, and the Planning service to ensure that all relevant planning applications are reviewed, and conditions are applied and enforced. It is nevertheless viewed that there is continual opportunity for process improvement, both in terms of tightening controls and data collection, so that Camden can ensure future development is more sustainable and is undertaken in a way that offers greater protections to air quality, public health, and amenity.

During 2022, the 'Air Quality (Planning) Officer' position in the Sustainability department in Camden Council extended by a further 12 months and will run until October 2024 at a minimum. This role was created to aid and improve the process of reviewing planning applications and Section 106 (S106) legal agreement performance from developments in the borough.

Post-approval and ongoing compliance

Camden's air quality officers work closely with the Planning service (Planning Obligations and Planning Enforcement officers, in particular) as well as Environmental Health, Transport, Highways and Parking to ensure all applicable approved developments provide a Demolition Management Plan (DMP) and/or a Construction Management Plan (CMP). This is mandated through Section 106 Legal Agreements. CMPs and DMPs are aligned with a pro forma template which covers a number of issues including air quality and dust management during on-site activities for any new development or refurbishment.

Officers review and provide feedback on DMPs/CMPs and any unsatisfactory consideration of air quality and dust impacts on the part of the contractor or developer will lead to rejection and the need to submit a revised plan. The CMP/DMP covers the following air quality considerations:

- Preventative and reactive dust mitigation including prevention of resuspension of particulates from dust and debris tracked onto the public highway
- Real-time dust monitoring and reporting, based upon the dust risk classification from an Air Quality Dust Risk Assessment (AQDRA). In line with the Mayor of London's 'Control of dust and emissions during construction and demolition' SPG, any medium or high-risk sites are required to use real-time MCERTS-indicative dust monitors and to produce monthly reports for Camden Council to review. Camden has made it policy for all dust reports and data to be publicly accessible for all applicable sites.
- Adherence to the GLA dust mitigation checklist
- Adherence to NRMM conditions and registration of the site on the London NRMM Register
- Avoidance of vehicle engine idling

Through Camden's participation in the MAQF-funded NRMM compliance project led by LB Merton, all major construction sites in Camden are eligible for NRMM compliance audits. Camden's Air Quality Team coordinates with LB Merton's Project Coordinator to ensure an up-to-date list of major sites is provided.

Where sites in Camden are found to be non-compliant in terms of NRMM standards, real-time dust (PM_{10}) monitoring or reporting, or management of air quality impacts in general, the first step is to engage directly with the site to convey the importance of compliance and improved performance. Failing this, the case will be passed to Camden's Planning Enforcement team (through liaison with the Construction Management Forum comprising officers from various Council departments) for further action. This usually involves an enforcement case being opened and a formal warning being issued. Continued failure to meet conditions or comply with CMP or S106 requirements would lead to an injunction being sought, though this stage was not required for any site during 2022.

3.2 New or significantly changed industrial or other sources

No new or significantly changed sources identified.

4. Additional Activities to Improve Air Quality

4.1 London Borough of Camden Fleet

Table M outlines the breakdown of Camden Council's fleet into five fuel type categories. The number of electric vehicles within Camden's fleet has risen by 238% (from eight) since the end of 2018, reflecting the impact of the 2019-2022 Camden Clean Air Action Plan. As of 1st 24th May 2023, electric cars & vans comprise 8.6% of Camden's fleet with 27 vehicles, whilst hybrids account for 2.9% with 9 vehicles. More than 93% of Camden's diesel, petrol and CNG vehicles are ULEZ-compliant.

Table M. London Borough of Camden vehicle fleet composition

Fleet figures on 24 May 23	**Fuel type**					
Vehicle type	**Electric**	**Hybrid**	**Diesel**	**Petrol**	**CNG (Biomethane)**	**Total**
Car	9	9	0	0	0	**18**
Van	18	0	200	23	16	**257**
PSV	0	0	16	0	12	**28**
Specialist	0	0	0	0	0	**0**
Cherry picker	0	0	1	0	2	**3**
Gully	0	0	0	0	1	**1**
Jetter	0	0	2	0	0	**2**
Tipper	0	0	4	0	0	**4**
Total	**27**	**9**	**222**	**23**	**31**	**312**
% Of fleet	**8.6%**	**2.9%**	**71.1%**	**7.4%**	**10%**	**100%**

4.2 NRMM Enforcement Project

London Borough of Camden participated in the LB Merton-led Cleaner Construction for London NRMM enforcement project during 2022 and will continue to do so in 2023.

4.3 Air Quality Alerts

Camden supports *air*TEXT and by the end of 2022 there were 675 active subscribers receiving alerts for Camden, which is an increase of 42 from the previous year. The majority of subscribers receive alerts via SMS text. Camden had 22 alert days during 2022 and a total of 8,357 alert messages were sent to Camden subscribers.

Appendix A Details of Monitoring Site Quality QA/QC

A.1 Automatic Monitoring Sites

Routine calibrations are carried out on a fortnightly basis by Ricardo Energy and Environment. Operatives are trained to AURN standards.

The Swiss Cottage and Bloomsbury sites are part of the AURN and, as such, both are audited to the AURN standard. AURN sites are audited by providers selected by the Environment Agency, under its AURN contracts.

Non-AURN sites are audited by Ricardo Energy & Environment, who is UKAS accredited. Ricardo is also UKAS accredited for the recertification of onsite cylinders.

All sites are audited every six months and comply with the validation procedures which conform to the requirements of the AURN and exceed the requirements of LLAQM TG (22). The data ratification procedures also exceed the requirements of TG (22).

PM_{10} Monitoring Adjustment

PM_{10} and $PM_{2.5}$ is measured with TEOM-FDMS analysers at all sites in Camden at which these pollutants are monitored, and since these instruments are certified to MCERTS reference equivalent standard the VCM is not required.

A.2 Diffusion Tubes

Camden's diffusion tubes are supplied by Gradko International, with 50% TEA in acetone the chosen preparation method.

Gradko follows the procedures set out in the Practical Guidance, and Gradko diffusion tubes using the 50% TEA/acetone preparation method were rated as having 'good' precision from 14 colocation studies in 2022, according to the '2020-2022 Summary of Precision Results for Nitrogen Dioxide Diffusion Tube Collocation Studies, by Laboratory', published in April 2023 by Defra, which can be viewed here:

https://laqm.defra.gov.uk/air-quality/air-quality-assessment/precision-and-accuracy/

Gradko has scored highly in laboratory performance assessments for the AIR NO_2 Proficiency Testing Scheme (formerly WASP PT), and in the July 2022 summary from

the LAQM Helpdesk (covering AIR PT rounds 37-50, from May 2020 to June 2022) was found to have had 100% of results determined to be 'satisfactory' in AIR PT rounds AR036 (May-June 2022). No results have been reported for following AIR PT rounds. The 'Summary of Laboratory Performance in AIR NO_2 Proficiency Testing Scheme (May 2020 – June 2022)' report published by Defra can be viewed here:

https://laqm.defra.gov.uk/air-quality/air-quality-assessment/qa-qc-framework/

Camden has used the national bias adjustment factor for Gradko International diffusion tubes prepared with the 50% TEA/acetone method (0.82) to adjust our raw diffusion tube annual mean concentrations for bias. This factor was published in the 'National Diffusion Tube Bias Adjustment Factor Spreadsheet, Version 03/23' in April 2023, which can be viewed here:

https://laqm.defra.gov.uk/air-quality/air-quality-assessment/national-bias/

Camden has compared the diffusion tube data at our colocation sites to reference equivalent NO_2 analysers, however due to data continuity issues the Council did not participate in the diffusion tube colocation study in 2022.

The only diffusion tube bias adjustment factor applied to the data presented in this report is the national bias adjustment factor for Gradko International diffusion tubes prepared with the 50% TEA/acetone method (from the Version 03/23 spreadsheet referenced above), which was 0.82.

Previous years' diffusion tube-measured annual mean NO_2 concentrations have been re-calculated where necessary with updated national bias adjustment factors as published by Defra (all for Gradko International diffusion tubes prepared with the 50% TEA/acetone method). Consequently, the diffusion tube annual mean values for 2021 and preceding years which has been presented in this Annual Status Report supersede the annual means presented in previous Annual Status Reports.

Factor from Local Co-location Studies

Camden did not participate in the colocation study in 2022 as the Council had experienced continued data continuity issues with the Swiss Cottage (CD1) and Euston Road (CD9) triplicate colocation sites in the early months of the year.

Discussion of Choice of Factor to Use

Camden has historically tried to undertake diffusion tube colocation at the CD1 and CD9 automatic monitoring sites, however due to theft and/or tampering there has not yet been sufficient diffusion tube data capture to participate.

In the absence of local adjustment factors or other conditions suggesting that an alternative factor should be used, the National Bias Adjustment Factor for 2022 has been used.

Table N. Bias Adjustment Factor

Year	Local or National	If Local, Version of National Spreadsheet	Adjustment Factor
2022	National	03/23	0.82
2021	National	04/21	0.83
2020	National	03/21	0.82
2019	National	09/20	0.89
2018	National	09/19	0.89
2017	National	09/18	0.96
2016	National	09/17	1.01
2015	National	09/16	0.96

A.3 Adjustments to the Ratified Monitoring Data

Short-term to Long-term Data Adjustment

Diffusion tube data has been annualised where there were at least three but fewer than nine months of data. Camden's own annualisation spreadsheet was used for the adjustment, however the calculations were performed in accordance with the LLAQM TG methodology.

Table P shows the annualisation factors that were used to adjust the raw diffusion tube data based upon NO_2 concentrations measured at the BL0 (Bloomsbury) urban background automatic monitoring site, which achieved sufficient data capture for use in diffusion tube annualisation adjustment. Three other urban background automatic monitoring sites (Honor Oak Park, N. Kensington, & Teddington Bushy Park) have been used to annualise data for Camden's automatic PM monitoring data.

Distance Adjustment

No distance adjustment calculations were used on Camden's air quality monitoring data, in line with previous years' annual status reporting methodology. Distance adjustment calculations are not deemed necessary for the eight monitoring locations which have recorded an NO_2 annual mean of higher than the legal limit of 40 µg/m^3 in 2022. These sites are heavily trafficked by pedestrians and so are viewed as representative of nearby receptors, including bus stops or pavement seating, and so members of the public are likely to have been exposed to similar pollutant concentrations to those measured at each site.

Despite not incorporating these calculations into Camden's ASR, Table O displays the distance adjusted results for these eight sites.

Table O. Distance Adjustment Calculations for Annual Mean NO_2 Exceeded Monitoring Locations

Site Name/ID	Distance (m)		NO_2 Annual Mean Concentration ($\mu g/m^3$)			Comment
	Monitoring Site to Kerb	Receptor to Kerb	Background	Monitored at Site	Predicted at Receptor	
CD9	0.5	1.0	35.5	45.0	**43.8**	Predicted concentration at Receptor above AQS objective.
CAM70	0.5	1.0	35.5	50.6	**48.8**	Predicted concentration at Receptor above AQS objective.
CAM71	0.5	1.0	35.5	43.2	**42.2**	Predicted concentration at Receptor above AQS objective.
CAM166	0.5	6.0	28.9	40.7	35.5	
CAM248	0.5	3.0	40.6	42.6	**42.0**	Predicted concentration at Receptor above AQS objective.
CAM265	0.5	6.0	23.0	50.0	*38.1*	Predicted concentration at Receptor within 10% the AQS objective.
CAM266	0.5	3.0	23.0	45.6	*38.4*	Predicted concentration at Receptor within 10% the AQS objective.
CAM267	0.5	5.0	23.0	45.3	*36.2*	Predicted concentration at Receptor within 10% the AQS objective.

Table P. Short-Term to Long-Term Monitoring Data Adjustment

Site ID	Annualisation Factor BL0	Annualisation Factor Honor Oak Park	Annualisation Factor N. Kensington	Average Annualisation Factor Teddington Bushy Park	Average Annualisation Factor	Raw Data Annual Mean (µg m^{-3})	Annualised Annual Mean (µg m^{-3})	Comments
BL0 London Bloomsbury $PM_{2.5}$	N/A	1.23597569	1.216541331	1.190824881	1.21	7.61	9.24	Automatic
CD1 Swiss Cottage (Finchley Road) PM_{10}	1.032044696	1.09996805	1.102637183	1.051954642	1.07	19.34	20.73	Automatic
CD1 Swiss Cottage (Finchley Road) $PM_{2.5}$	N/A	1.15973497	1.157549907	1.133618555	1.15	10.46	12.03	Automatic
CAM4	0.987542127					22.20	17.98	Diffusion Tube
CAM5	0.943223392					24.84	19.21	Diffusion Tube
CAM7	1.075248949					30.88	27.23	Diffusion Tube
CAM11	1.023909815					26.81	22.51	Diffusion Tube
CAM28	0.786927203					33.61	21.69	Diffusion Tube
CAM48	1.052862259					28.36	24.48	Diffusion Tube
CAM49	1.052862259					32.17	27.77	Diffusion Tube
CAM52	1.078125714					26.54	23.46	Diffusion Tube
CAM53	1.045590722					27.81	23.85	Diffusion Tube
CAM54	1.101900869					27.62	24.95	Diffusion Tube
CAM57	1.101900869					32.70	29.55	Diffusion Tube

Site ID	Annualisation Factor BL0	Annualisation Factor Honor Oak Park	Annualisation Factor N. Kensington	Average Annualisation Factor Teddington Bushy Park	Average Annualisation Factor	Raw Data Annual Mean (µg m^{-3})	Annualised Annual Mean (µg m^{-3})	Comments
CAM68	1.203939561					23.09	22.79	Diffusion Tube
CAM71	0.942002922					55.86	43.15	Diffusion Tube
CAM80	0.955058356					38.49	30.15	Diffusion Tube
CAM122	0.984744372					22.90	18.49	Diffusion Tube
CAM138	1.029491687					38.02	32.10	Diffusion Tube
CAM163	1.041797999					26.66	22.77	Diffusion Tube
CAM253	0.878643572					29.14	21.00	Diffusion Tube
CAM265	0.993531412					61.36	49.99	Diffusion Tube
CAM267	0.955333369					57.81	45.29	Diffusion Tube
CAM270	0.899454139					47.75	35.22	Diffusion Tube
CAM301	1.083260725					31.37	27.86	Diffusion Tube
CAM307	1.008380382					32.16	26.59	Diffusion Tube
CAM308	1.007683471					30.33	25.07	Diffusion Tube
CAM309	1.028051077					28.66	24.16	Diffusion Tube

Appendix B Full Monthly Diffusion Tube Results for 2022

Table Q. NO_2 Diffusion Tube Results

Site ID	Valid data capture for monitoring period %[(a)]	Valid data capture 2022 %[(b)]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM70		75%			71.52	60.49	53.44	56.65	63.58		67.01	61.53	59.56	61.98	61.75	50.64
CAM71		42%			59.68						51.83	58.65	54.66	54.51	55.86	45.81
CAM73		83%	35.57	27.63	27.02	20.43	18.52	15.41	15.12	15.85			27.84	30.85	23.42	19.21
CAM75		83%	36.03	24.21	26.06	14.12	14.03	11.51	13.52	12.31		20.05		27.54	19.94	16.35
CAM79		75%	41.85	29.64		26.08	22.85	19.66			26.56	28.76	32.53	34.47	29.16	23.91
CAM81		75%			49.25	44.08	42.26		45.45	38.76	54.65	56.49	57.12	50.42	48.72	39.95
CAM77		75%				41.63	37.79	38.99	45.40	35.45	51.09	45.46	44.74	44.24	42.75	35.06
CAM74		92%	46.90	33.71	44.19	34.89	27.05	29.99	30.86	27.87	34.47	37.60		41.03	35.32	28.97
CAM76		100%	46.92	34.80	38.99	28.14	28.63	26.57	28.99	27.17	33.79	32.61	39.27	38.24	33.68	27.61
CAM78		100%	57.75	46.71	46.26	37.45	29.61	32.26	29.37	30.29	36.59	45.47	53.32	39.75	40.40	33.13
CAM86		75%			49.81	38.52	29.06	31.02	36.44	32.88		40.60	37.61	42.11	37.56	30.80
CAM84		100%	51.40	41.60	58.19	43.77	40.56	41.15	43.21	45.98	44.05	50.41	50.76	46.17	46.44	38.08
CAM85		92%	47.74	32.65	34.35	27.14	23.25		20.61	21.30	27.87	32.25	34.31	40.03	31.05	25.46
CAM82		92%	52.13	35.02	42.90	30.20	28.36		29.18	29.49	39.16	38.75	37.74	36.96	36.35	29.81
CAM83		92%	41.13	27.81	31.90	21.67	22.24	19.79	21.55	21.08	23.78		27.94	35.59	26.77	21.95
CAM80		67%	50.41	40.73	43.55	35.62	31.12			28.82	36.79		40.90		38.49	31.56
CAM87		100%	44.22	31.43	37.80	26.41	24.84	21.81	25.66	24.22	28.00	33.46	31.94	34.00	30.32	24.86
CAM88		75%		28.40	30.94	22.95	18.28		18.64	18.84	22.69	27.25		32.80	24.53	20.12
CAM89		92%	40.76	29.34	30.94	20.16	17.63	14.33	16.97	17.39	21.28	26.53		35.63	24.63	20.20
CAM121		100%	38.35	21.72	37.85	22.01	22.32	17.88	20.31	24.73	26.66	28.15	28.62	33.90	26.87	22.04
CAM122		67%	32.03		31.80	19.06		15.16	16.07	17.55	22.44		29.09		22.90	18.78
CAM123		100%	43.23	29.49	35.64	21.67	20.69	16.42	17.29	18.10	23.26	26.55	29.76	31.41	26.13	21.42
CAM124		92%	50.94		40.85	19.42	29.91	24.09	27.75	28.43	31.56	35.34	44.17	41.22	33.97	27.86
CAM125		100%	54.28	31.74	42.45	29.29	28.07	24.56	29.71	30.40	32.60	35.07	32.30	39.01	34.12	27.98
CAM126		100%	44.78	33.07	42.79	27.85	27.37	25.00	24.42	27.16	29.98	32.82	33.19	37.93	32.20	26.40
CAM127		100%	38.75	26.73	35.29	24.55	20.91	16.74	21.05	24.81	25.88	31.26	30.20	34.01	27.52	22.56
CAM128		100%	47.50	31.95	40.32	23.51	28.73	23.96	27.30	30.85	34.94	34.77	37.66	36.31	33.15	27.18
CAM129		75%	46.06	35.29	41.68	28.83	31.87	27.65		27.59	31.70		34.37		33.89	27.79
CAM130		92%	50.32		46.62	28.57	35.14	30.12	33.03	33.51	38.83	25.04	39.90	43.88	36.81	30.19
CAM131		100%	52.00	48.20	53.91	31.63	41.48	35.93	38.65	44.83	44.94	48.18	50.25	49.57	44.96	36.87
CAM132		92%		24.70	39.49	36.68	23.39	19.68	21.65	22.95	27.03	32.34	29.25	35.03	28.38	23.27

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM133		100%	39.01	25.65	34.51	24.23	18.04	13.16	15.48	16.48	20.33	25.89	26.17	32.90	24.32	19.94
CAM1		100%	41.84	28.20	30.53	21.12	17.64	15.15	16.30	13.06	19.68	25.87	29.11	31.91	24.20	19.84
CAM2		83%			25.60	18.02	14.80	13.30	12.25	15.67	18.60	22.85	24.91	31.16	19.72	16.17
CAM3		83%			28.20	20.07	15.92	13.74	13.72	17.69	20.75	25.00	26.61	32.90	21.46	17.60
CAM4		67%			27.30	18.88	17.09			17.53	18.72	22.67	25.22	30.20	22.20	18.20
CAM5		58%			31.33	20.99				19.49	19.46	24.20	27.09	31.29	24.84	20.37
CAM6		83%			26.80	22.72	22.11	20.03	16.65	20.26	25.50	28.47	29.34	34.59	24.65	20.21
CAM7		67%			34.43	28.63	25.91	25.47		34.76	30.01	32.66	35.17		30.88	25.32
CAM8		83%			33.50	21.31	18.65	17.56	14.15	20.01	24.15	29.04	28.54	32.22	23.91	19.61
CAM9		75%			25.60	16.80	14.46	12.43	11.58	15.08	17.55	17.64		27.60	17.64	14.46
CAM10		83%			33.60	20.37	18.75	15.61	16.57	20.10	23.59	27.84	28.67	34.03	23.91	19.61
CAM11		58%			33.30	22.91			18.90	24.90	25.82	30.34	31.49		26.81	21.98
CAM12		83%			31.35	20.88	17.12	16.12	15.05	20.24	24.32	28.13	31.16	34.67	23.90	19.60
CAM13		92%	31.31	26.22	34.47	26.83	22.42	19.08	19.18	24.51		30.61	31.13	37.72	27.59	22.62
CAM14		100%	35.18	31.22	40.62	28.93	28.43	25.26	24.11	30.01	32.38	35.59	39.74	44.18	32.97	27.04
CAM15		92%	30.81	30.93	35.92	31.03		21.05	21.74	26.29	28.46	31.44	31.55	36.83	29.64	24.31
CAM16		92%	39.09	26.96	34.47		25.37	22.48	20.58	25.17	29.60	29.35	33.55	38.29	29.54	24.22
CAM17		83%	37.65	25.05	30.54	25.75	21.53			22.57	23.87	27.24	30.68	32.66	27.75	22.76
CAM18		100%	37.83	29.51	35.75	28.27	24.39	19.85	19.70	24.01	23.93	32.87	32.90	37.59	28.88	23.68
CAM19		92%	36.70	27.98	33.72	25.60	21.65	18.92	19.32	24.22	24.62	29.78		31.49	26.73	21.92
CAM20		83%	33.67	22.84	28.21	20.50	17.36	14.83	14.15		20.62		27.41	32.12	23.17	19.00
CAM21		100%	33.54	22.12	29.35	22.03	17.66	13.96	14.53	19.31	20.31	26.67	27.13	31.95	23.21	19.03
CAM22		100%	34.69	23.45	28.72	19.97	18.99	15.00	14.82	18.66	22.15	28.23	27.66	32.67	23.75	19.48
CAM23		92%	34.77	29.56	29.94	21.33	19.34	16.52	15.91	19.90		27.64	29.20	37.43	25.60	20.99
CAM24		100%	30.67	21.12	29.53	22.40	18.70	15.81	12.29	22.23	24.16	26.64	28.23	30.69	23.54	19.30
CAM25		83%	36.31	25.08			37.33	40.76	19.96	22.62	26.83	26.01	29.96	34.60	29.95	24.56
CAM26		92%	31.57	24.97	28.39	22.47	21.04	18.17		21.90	25.26	28.92	29.02	34.00	25.97	21.30
CAM27		75%		23.97		23.63	18.38	16.10	16.70	22.59	24.69	25.09		37.89	23.23	19.05
CAM28		25%	32.38										32.53	35.91	33.61	27.56
CAM29		100%	33.39	22.67	30.86	22.50	18.79	15.53	15.40	20.58	20.43	23.49	26.86	40.06	24.21	19.86
CAM30		92%	53.61	42.28		37.10	37.78	34.49	34.60	34.31	44.46	43.47	45.20	44.79	41.10	33.70
CAM31		92%	28.09	20.73	25.59	19.37		13.24	14.03	16.35	17.86	24.46	25.40	33.35	21.68	17.78
CAM32		100%	33.31	26.18	31.03	21.90	21.54	19.84	17.53	25.17	25.28	31.44	28.74	34.22	26.35	21.61
CAM33		100%	28.16	20.79	23.59	17.57	15.10	12.38	12.04	16.29	17.55	22.96	23.51	31.30	20.10	16.48
CAM34		100%	32.03	21.63	30.34	22.27	18.05	15.06	15.78	20.75	20.67	26.37	26.67	33.32	23.58	19.33

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM35		100%	34.44	19.91	31.21	25.03	22.02	21.33	20.08	23.11	26.88	29.72	29.58	37.66	26.75	21.93
CAM36		100%	33.20	24.85	26.64	20.80	19.32	15.23	15.95	18.99	22.87	28.16	29.75	33.99	24.15	19.80
CAM37		92%		23.25	28.88	20.90	18.90	16.83	15.75	20.20	23.21	27.23	27.20	35.17	23.41	19.20
CAM38		100%	32.94	23.45	27.90	20.85	20.26	16.91	15.86	19.30	24.89	27.04	28.05	35.31	24.40	20.01
CAM39		92%	32.92		29.85	23.73	17.76	14.72	15.68	17.39	24.81	25.61	30.09	32.91	24.13	19.79
CAM40		100%	32.21	21.32	29.37	20.75	17.29	15.09	14.10	18.93	20.60	23.10	25.39	33.73	22.66	18.58
CAM41		92%	32.04	21.15	26.33	20.67	17.77	14.72	15.16	18.41		25.42	27.92	32.38	22.91	18.78
CAM42		83%	34.74	24.58		20.70	18.05	16.30	16.87	21.53	21.85		30.53	41.62	24.68	20.24
CAM43		100%	30.34	21.47	28.07	22.00	18.39	15.09	21.54	20.37	21.29	26.38	27.87	33.09	23.83	19.54
CAM44		92%	30.91	23.69	29.69	21.67		15.87	14.20	18.59	21.51	24.11	27.95	30.91	23.55	19.31
CAM45		92%	37.09	29.85	33.62	27.43		21.18	18.44	22.03	26.28	28.76	33.73	35.84	28.57	23.43
CAM46		100%	37.71	24.54	33.70	29.53	22.72	19.48	20.50	26.70	25.29	29.51	32.57	32.47	27.89	22.87
CAM47		83%			46.35	40.29	37.00	34.14	33.32	36.84	41.97	38.21	41.27	43.99	39.34	32.26
CAM48		67%			32.60			20.66	19.70	21.52	26.79	31.47	33.70	40.45	28.36	23.26
CAM49		67%			47.10			23.49	21.61	28.49	27.81	34.51	37.34	37.01	32.17	26.38
CAM50		83%			46.33	36.24	30.56	28.99	29.68	34.95	34.46	35.88	39.97	44.97	36.20	29.69
CAM51		83%			32.20	24.84	22.54	20.43	19.43	23.29	27.70	31.34	33.64	39.37	27.48	22.53
CAM52		50%						19.22	18.85	22.90	27.01	31.58		39.67	26.54	21.76
CAM53		42%							19.13	21.47		31.88	31.75	34.82	27.81	22.81
CAM54		67%					25.27	22.01	20.41	23.23	27.82	31.44	32.97	37.79	27.62	22.65
CAM55		83%			46.10	38.15	30.31	29.14	31.17	34.65	38.30	39.47	38.63	42.45	36.84	30.21
CAM56		83%			35.10	26.71	24.17	22.21	20.66	23.08	24.37	32.46	32.75	39.95	28.15	23.08
CAM57		67%					28.54	27.22	27.52	29.67	34.67	33.85	37.52	42.62	32.70	26.82
CAM58		92%		31.35	36.67	27.33	24.86	22.88	21.76	26.03	29.96	34.82	34.47	39.71	29.99	24.59
CAM59		100%	42.44	36.69	36.68	27.73	24.27	24.68	22.81	25.47	32.81	33.91	34.82	42.79	32.09	26.31
CAM60		83%	49.72	38.47	38.46	30.50	28.48			27.91	37.07	38.73	41.03	42.00	37.24	30.53
CAM61		100%	49.93	38.94	39.45	31.20	30.50	26.86	25.55	27.13	33.26	37.00	37.98	42.10	34.99	28.69
CAM62		83%			41.50	29.51	33.61	31.95	29.25	32.52	38.44	41.21	37.57	39.67	35.52	29.13
CAM63		75%			33.47	25.53	20.85	17.24	18.64	23.96	24.12	29.74		33.31	25.21	20.67
CAM64		83%			39.60	26.90	23.98	19.35	20.47	26.60	26.01	27.20	30.56	33.57	27.42	22.49
CAM65		83%			33.80	25.68	20.68	18.22	17.34	22.92	25.17	28.84	32.15	35.54	26.03	21.35
CAM66		83%			36.80	28.06	23.52	21.00	21.33	32.37	27.61	29.96	32.43	34.92	28.80	23.62
CAM67		83%			44.73	35.97	30.66	26.65	29.21	26.53	39.90	35.86	39.40	39.29	34.82	28.55
CAM68		50%			34.40	24.60	20.23	16.74	17.65			24.90			23.09	18.93
CAM69		83%			39.10	30.46	26.48	22.73	25.83	32.31	31.31	32.77	36.65	39.50	31.71	26.00

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM90		100%	42.11	28.62	34.55	24.13	22.25	15.39	19.86	21.75	23.87	30.69	32.18	34.91	27.53	22.57
CAM91		92%		29.74	37.88	22.92	23.66	20.77	21.90	22.60	24.96	32.79	36.20	35.99	28.13	23.06
CAM92		100%	59.60	49.71	39.04	37.97	41.84	41.44	41.53	37.02	43.62	46.06	47.63	42.11	43.96	36.05
CAM93		100%	46.54	34.99	44.38	27.76	27.78	26.83	27.79	29.50	33.82	35.46	39.16	42.82	34.74	28.48
CAM94		92%	44.92		49.18	32.79	29.28	25.05	27.76	29.06	32.43	36.86	35.99	36.69	34.55	28.33
CAM95		75%	41.03	25.72				17.37	19.64	21.82	26.35	29.25	31.12	36.88	27.69	22.70
CAM96		92%	43.32	28.37	38.24	24.38	25.01	19.63	21.63	23.04	26.49	28.05		35.43	28.51	23.38
CAM97		100%	40.71	28.45	37.70	25.07	22.79	19.77	20.07	23.15	26.08	29.13	33.78	35.82	28.54	23.41
CAM98		83%	51.73	31.94	48.34	35.77			29.70	33.08	38.34	35.37	38.61	45.74	38.86	31.87
CAM99		100%	38.11	25.33	34.64	19.95	19.67	16.37	17.02	17.91	22.52	25.20	26.17	33.76	24.72	20.27
CAM100		100%	42.31	28.30	43.83	34.51	26.84	23.21	27.17	30.75	31.42	33.66	32.90	39.96	32.90	26.98
CAM101		83%	49.92	35.33	48.90	35.56		32.01		37.98	35.47	39.87	44.17	41.71	40.09	32.88
CAM102		100%	41.35	30.90	44.16	28.87	25.47	24.29	28.24	30.39	31.50	34.66	33.48	37.62	32.58	26.71
CAM103		100%	44.72	36.15	45.40	32.63	31.60	30.23	32.77	34.07	36.67	36.29	37.77	40.27	36.55	29.97
CAM104		92%	38.01	30.00	38.33	25.52	23.52	20.13	17.23	23.39		29.54	31.54	34.82	28.37	23.26
CAM105		92%	55.94		33.98	33.21	34.93	31.50	30.76	35.30	38.07	40.97	38.89	42.85	37.85	31.04
CAM106		100%	34.77	25.06	25.91	20.10	17.86	14.57	15.23	18.96	23.49	25.56	24.95	30.54	23.08	18.93
CAM107		100%	37.03	24.91	26.79	20.23	18.09	15.92	15.44	18.96	22.70	25.34	27.91	32.26	23.80	19.52
CAM108		83%	36.94	24.62	28.90	21.53	17.20	15.64	13.78	19.43	22.95			34.24	23.52	19.29
CAM109		92%	39.14	27.80	26.48	22.93	19.30	16.82	15.20	20.25	23.36	28.74		30.46	24.59	20.16
CAM110		92%	35.71	26.34	29.82	22.93	22.14	18.27	16.87	20.53	24.43	29.38		28.73	25.01	20.51
CAM134		92%	32.09	23.64	33.05	25.50	20.97	17.70		21.73	25.27	25.61	28.64	33.66	26.17	21.46
CAM135		92%	44.56	31.18	46.35	32.77	26.61	23.99	26.75	29.22	36.69	31.61	28.25		32.54	26.69
CAM136		83%	38.90	31.00			29.95	27.16	29.36	32.35	36.60	35.36	38.66	39.18	33.85	27.76
CAM137		92%	37.31	27.79	33.16	24.00	24.22	20.06	19.47	22.61	26.27		31.81	38.61	27.76	22.76
CAM138		67%			41.07	32.59	35.23	35.24		34.88	38.81		42.96	43.38	38.02	31.18
CAM139		75%			48.55	40.76	38.41	40.85	42.76	43.11		40.78	39.55	44.25	42.11	34.53
CAM140		83%			35.13	24.74	19.75	16.73	17.31	22.42	24.24	28.42	28.31	34.76	25.18	20.65
CAM141		75%			38.43	28.49	27.07	24.28		29.35	33.65	33.45	37.71	36.47	32.10	26.32
CAM142		83%			36.87	31.03	27.24	24.96	23.30	28.60	30.75	34.91	35.55	36.38	30.96	25.39
CAM143		83%			40.50	26.16	24.76	22.80	22.15	28.43	30.14	31.13	35.92	40.00	30.20	24.76
CAM144		17%								29.19				38.28	33.73	-
CAM145		75%			40.63	30.65	23.88	23.68		32.36	30.73	33.94	34.60	39.18	32.18	26.39
CAM146		83%			32.47	24.39	20.93	20.23	20.04	23.15	27.78	27.97	30.24	35.37	26.26	21.53
CAM147		75%			38.30		30.26	31.07	27.87	31.90	37.57	42.70	40.01	39.07	35.42	29.04

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM148		75%			40.33		33.83	34.82	30.58	35.10	40.51	43.96	46.35	44.88	38.93	31.92
CAM149		75%			33.40		30.89	33.25	28.95	30.82	36.55	41.69	39.49	39.55	34.96	28.66
CAM150		75%	30.24	22.66	28.55			32.00	15.43	19.56	20.62	24.99	26.39		24.49	20.08
CAM151		92%	32.69	26.61	28.43	20.89		16.68	16.47	20.73	22.20	26.04	25.20	32.09	24.37	19.98
CAM152		100%	36.50	28.72	31.86	23.05	21.40	16.84	18.39	22.93	25.09	25.93	29.94	34.15	26.23	21.51
CAM153		100%	34.96	25.37	28.99	22.27	19.51	14.91	16.66	21.13	22.01	26.61	27.85	34.39	24.55	20.13
CAM154		100%	33.05	26.29	34.32	23.59	19.51	16.00	17.55	21.39	22.30	27.11	30.66	34.51	25.52	20.93
CAM155		92%	32.79	23.91	29.16	21.90	20.56	15.52	17.90	21.39	23.04		28.65	34.89	24.52	20.11
CAM156		100%	41.37	30.49	37.32	27.68	26.16	23.26	25.22	29.63	33.52	34.55	34.38	38.41	31.83	26.10
CAM157		83%	32.53	26.12	32.50	25.18		20.57	21.16	29.39	27.91	30.83		27.48	27.37	22.44
CAM158		92%	34.05	24.48	26.78	19.55		15.32	14.87	19.98	21.82	25.86	27.63	31.69	23.82	19.53
CAM159		100%	35.54	27.00	28.39	21.21	19.39	15.59	15.76	19.88	21.35	26.54	28.14	34.61	24.45	20.05
CAM160		83%	31.18	22.93	28.10	20.95			14.10	20.06	21.12	24.73	27.00	29.02	23.92	19.61
CAM161		83%	33.95		29.64		19.61	16.57	18.43	23.00	24.56	25.51	28.33	33.82	25.34	20.78
CAM162		75%			40.60		22.45	21.21	23.79	29.04	31.88	30.45	33.22	38.51	30.13	24.71
CAM163		58%	39.45	27.67	28.72		20.61	18.58		21.56			30.03		26.66	21.86
CAM164		75%	41.16	27.57	31.75	26.30	25.15	22.90		27.35	30.74			35.78	29.86	24.48
CAM165		75%			42.18	28.40	27.35	24.43	25.75		30.54	35.05	35.27	41.61	32.29	26.48
CAM166		83%	56.01	42.31	50.79	44.17	45.13	47.55	42.87			60.06	51.36	55.94	49.62	40.69
CAM167		100%	53.81	44.86	58.74	46.63	44.81	39.23	39.99	43.04	54.83	46.32	47.44	49.81	47.46	38.92
CAM168		92%	51.68	45.53		37.35	46.27	33.35	33.28	39.36	38.37	41.74	43.98	42.94	41.26	33.83
CAM169		92%	41.38	30.35	37.06	31.77	27.28		23.43	25.78	32.92	30.05	33.30	36.28	31.78	26.06
CAM170		92%	35.79	26.10	30.56	22.83	20.71		17.90	23.13	25.49	26.16	29.07	29.07	26.07	21.38
CAM171		92%	39.53	29.96	33.59	27.27	26.38		23.82	22.07	31.20	30.17	29.77	35.41	29.92	24.54
CAM172		92%	33.08	23.21	30.11	24.53	20.52	17.03	17.26	18.22		22.03	27.53	28.85	23.85	19.56
CAM173		83%	35.91	23.76			19.10	16.88	16.74	17.99	24.31	23.41	25.42	29.03	23.26	19.07
CAM174		100%	49.38	40.25	39.73	38.43	37.25	27.71	27.32	28.60	34.70	30.93	34.32	39.20	35.65	29.24
CAM175		92%	41.72	29.55	34.54	26.27	23.14		19.19	20.18	26.76	24.00	29.87	30.07	27.75	22.76
CAM176		92%	40.77		35.54	27.83	22.49	18.76	21.02	22.63	24.93	25.34	27.93	31.60	27.17	22.28
CAM177		100%	41.22	27.87	30.61	23.55	24.55	20.49	19.17	20.91	26.83	26.96	28.54	33.11	26.98	22.13
CAM178		92%	35.14	28.78		29.20	23.79	21.76	22.81	24.38	21.20	26.04	31.80	29.94	26.80	21.98
CAM182		100%	43.80	38.29	44.71	32.57	30.74	27.72	26.14	33.52	32.49	37.19	40.00	45.54	36.06	29.57
CAM189		83%	43.19	39.45	40.06		31.06	31.21	26.26	30.77	33.51	39.36		46.99	36.18	29.67
CAM194		92%	44.12	35.02	35.18	30.13		25.00	21.56	25.38	29.68	33.92	36.03	41.66	32.52	26.66
CAM196		100%	37.41	31.61	38.28	28.50	25.67	25.32	21.65	25.92	31.41	36.68	36.50	44.54	31.96	26.21

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM200		92%	47.30	36.38	50.09	42.83	36.60	36.73	41.03	44.42	49.29	44.97		41.03	42.79	35.09
CAM204		100%	53.92	45.75	45.71	42.53	42.08	45.72	37.04	39.74	47.94	47.92	51.21	45.76	45.45	37.27
CAM241		100%	49.89	37.30	43.65	37.60	32.63	31.04	31.40	35.37	35.42	39.34	39.67	44.91	38.18	31.31
CAM242		92%	46.36	34.00	39.93		27.04	25.20	27.14	30.40	31.36	36.20	38.96	45.51	34.73	28.48
CAM243		83%	43.04		37.88	29.30	28.04	25.30	24.82	26.44		36.46	35.03	39.89	32.62	26.75
CAM244		100%	43.56	34.14	35.02	29.08	27.88	24.40	25.36	29.15	30.02	36.49	36.79	41.16	32.75	26.86
CAM245		100%	52.28	42.55	35.72	31.95	33.26	31.38	30.50	30.15	34.21	43.35	45.06	43.69	37.84	31.03
CAM246		100%	61.18	48.61	51.51	50.03	51.83	54.61	52.87	53.56	50.22	57.43	56.52	54.10	53.54	43.90
CAM247		92%	43.77	31.25	37.49	29.66	25.69	23.76	24.97		30.48	32.66	36.55	40.51	32.44	26.60
CAM248		100%	57.42	44.26	57.20	51.34	48.82	50.28	49.55	52.99	53.73	53.34	52.94	51.96	51.98	42.63
CAM249		75%	45.60	32.58		33.60	30.03	26.42		31.23	33.87	37.37		40.92	34.63	28.39
CAM250		100%	41.54	30.60	37.42	28.24	25.61	22.60	24.55	26.61	28.76	34.33	34.29	38.73	31.11	25.51
CAM251		100%	43.43	32.75	38.08	28.22	26.14	25.40	26.47	28.07	28.96	35.92	34.25	40.81	32.37	26.55
CAM252		100%	41.70	31.89	37.33	30.08	25.21	22.31	22.72	26.69	29.06	32.64	34.55	40.30	31.21	25.59
CAM253		25%			35.83	21.47								30.12	29.14	23.90
CAM254		92%	41.72	21.76	39.22	21.33	19.70	14.50		20.07	23.45	27.57	26.75	32.40	26.22	21.50
CAM255		92%	30.88	24.85	36.31	20.54	17.88	13.16		19.27	20.78	27.48	24.92	31.60	24.33	19.95
CAM256		100%	37.77	23.27	32.90	19.64	18.55	14.78	15.76	18.98	22.57	27.62	27.74	31.04	24.22	19.86
CAM257		83%	44.48	29.80	35.12	19.10	24.32	20.98	22.16	22.38		34.43		34.88	28.76	23.59
CAM258		100%	30.36	22.86	27.25	19.07	16.91	12.84	13.60	18.94	18.10	25.15	25.67	32.16	21.91	17.97
CAM259		100%	30.63	22.22	26.14	17.40	16.68	13.45	13.95	17.45	19.15	24.15	24.38	32.31	21.49	17.62
CAM260		100%	28.16	22.90	27.13	18.90	16.35	13.46	13.44	18.68	18.91	24.78	26.30	31.15	21.68	17.78
CAM261		92%	45.37	26.24	34.30	26.35	23.00	23.71	23.48	30.70		29.82	33.66	36.79	30.31	24.85
CAM262		92%	50.09	31.73	39.58	31.93	26.81	24.70		31.80	36.78	34.84	36.41	39.89	34.96	28.67
CAM263		83%		64.19	61.27	52.11	54.89	55.69	58.79	62.22	68.80	73.76		69.40	62.11	50.93
CAM264		83%	55.34		39.96	31.68	29.65	29.31	30.71	32.70	42.63	37.82		43.14	37.29	30.58
CAM265		58%	69.30		56.16		49.86		53.82		67.28	67.06		66.08	61.36	50.32
CAM266		100%	67.14	43.84	61.60	57.93	43.53	44.30	56.87	57.67	70.40	54.10	56.41	53.20	55.58	45.58
CAM267		58%	69.99	51.51	60.23		48.75				59.27	62.25		52.69	57.81	47.41
CAM268		100%	49.40	37.24	40.13	32.68	31.84	31.31	33.18	33.12	43.94	40.13	42.77	43.92	38.31	31.41
CAM269		83%	58.33	48.28	50.18	44.79	44.42	44.41			54.23	52.22	51.29	50.26	49.84	40.87
CAM270		58%	52.68	47.86	44.04	39.67				50.53			49.77	49.69	47.75	39.15
CAM271		92%	50.24	40.75		41.99	39.42	36.13	43.23	47.38	48.92	45.24	47.36	44.80	44.13	36.19
CAM272		100%	31.95	26.04	26.69	19.87	17.57	16.26	17.19	21.50	21.32	24.90	28.14	33.86	23.77	19.49
CAM273		100%	32.27	27.55	28.21	24.54	22.21	19.54	20.26	24.68	24.24	28.03	30.78	33.25	26.30	21.56

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM274		100%	32.90	29.30	28.49	22.72	19.03	16.18	17.10	21.50	22.14	25.91	29.52	38.08	25.24	20.70
CAM275		100%	38.33	31.13	29.70	25.15	23.40	21.18	20.30	24.22	25.93	29.64	31.65	38.59	28.27	23.18
CAM276		100%	39.21	33.10	35.36	29.93	25.76	21.26	22.35	26.89	28.41	29.27	33.39	44.68	30.80	25.26
CAM277		92%	41.30	33.89	42.14	39.45	36.44	31.68		39.26	39.13	38.43	40.04	40.30	38.37	31.46
CAM278		92%	44.78	31.91	35.78		28.11	24.82	25.51	29.09	30.47	34.01	33.49	41.14	32.65	26.77
CAM279		100%	44.46	29.45	35.07	33.63	27.90	25.64	25.88	29.71	34.03	33.63	37.51	39.46	33.03	27.08
CAM280		75%	39.89	37.77	35.65	29.14	30.09	26.11	24.60		29.48		35.20		31.99	26.23
CAM281		100%	31.68	27.52	27.41	21.07	17.87	16.07	17.46	19.71	21.12	26.16	27.69	39.60	24.45	20.05
CAM282		100%	39.31	31.81	30.94	25.52	21.99	19.39	20.30	24.43	25.56	29.84	33.01	41.54	28.64	23.48
CAM283		100%	33.20	26.05	29.73	25.85	19.16	16.14	17.20	22.34	22.37	25.35	26.68	39.86	25.33	20.77
CAM284		83%		36.26	33.93		27.53	25.80	24.63	29.80	30.30	31.14	32.26	45.78	31.74	26.03
CAM285		100%	33.19	39.11	36.50	26.75	23.79	21.67	21.26	28.34	26.60	33.48	34.01	43.85	30.71	25.18
CAM286		92%		45.54	54.65	43.64	41.20	43.03	47.22	38.90	49.88	52.69	54.88	44.66	46.94	38.49
CAM287		92%		30.15	39.71	27.43	46.57	21.15	23.88	25.47	30.30	33.69	34.12	35.07	31.59	25.91
CAM288		83%		25.82	36.83	25.82	24.81	17.31	19.72	19.48	24.20	29.46	31.57		25.50	20.91
CAM289		92%		25.52	39.15	26.67	22.49	18.89	20.48	22.88	26.09	30.26	34.04	33.48	27.27	22.36
CAM290		92%		25.59	33.18	22.27	22.11	16.76	18.59	19.61	22.72	28.07	30.15	33.86	24.81	20.34
CAM291		92%		25.14	36.00	25.27	20.45	16.94	19.01	21.00	25.03	27.46	28.91	33.30	25.32	20.76
CAM292		92%		32.29	40.24	28.95	21.75	24.09	25.25	24.18	31.20	34.71	36.70	39.91	30.84	25.29
CAM293		92%		29.10	46.37	35.61	29.05	28.08	31.17	25.46	38.22	39.17	37.61	41.00	34.62	28.39
CAM294		92%		27.83	43.96	33.91	31.88	26.71	34.11	26.09	37.64	30.85	35.62	39.06	33.42	27.41
CAM295		92%		30.91	41.27	34.10	30.39	31.14	32.94	26.74	38.07	37.02	33.92	39.12	34.15	28.00
CAM296		92%		24.07	33.12	22.30	34.67	15.49	17.30	18.82	23.40	27.79	29.35	33.27	25.42	20.84
CAM297		92%		25.42	37.44	24.50	20.78	16.85	19.56	18.46	25.06	28.75	30.82	35.11	25.70	21.08
CAM298		92%		27.33	39.21	28.63	21.89	21.79	23.99	24.17	31.82	31.53	34.27	36.07	29.15	23.91
CAM299		92%		26.64	39.44	28.10	26.42	19.90	20.71	20.56	26.98	30.46	32.41	35.71	27.94	22.91
CAM300		92%		25.34	37.72	27.72	24.07	20.21	21.27	21.00	27.51	30.27	35.14	39.02	28.11	23.05
CAM301		50%						25.85	26.41	23.11	31.16		39.96	41.71	31.37	25.72
CAM302		92%		32.37	41.14	31.22	24.39	22.21	23.11	21.11	30.00	32.03	39.11	40.69	30.67	25.15
CAM303		92%		29.18	37.53	28.56	26.78	20.79	21.42	22.87	27.65	31.52	35.01	37.46	28.98	23.76
CAM304		83%		31.25	45.06	34.83	25.73		25.67	23.06	32.72	35.17	40.80	41.48	33.58	27.53
CAM305		92%		34.34	44.37	38.55	31.62	32.88	41.08	34.64	46.94	37.61	42.90	45.49	39.13	32.09
CAM306		83%		39.32	45.20	29.41		30.76	29.75	30.25	33.12	44.70	45.82	43.41	37.17	30.48
CAM307		42%					28.97			29.27	32.96	31.61		37.99	32.16	26.37
CAM308		42%					26.17			28.81	28.06	33.98		34.66	30.33	24.87

Site ID	Valid data capture for monitoring period %[a]	Valid data capture 2022 %[b]	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual mean – raw data	Annual mean – bias adjusted
CAM309		42%					23.39			24.89	25.19	28.51		41.33	28.66	23.50

Concentrations are presented as µg m^{-3}.

Exceedances of the NO_2 annual mean AQO of 40 µg m^{-3} are shown in **bold**.

NO_2 annual means in excess of 60 µg m^{-3}, indicating a potential exceedance of the NO_2 hourly mean AQS objective are shown in **bold and underlined**.

All means have been "annualised" in accordance with LLAQM Technical Guidance if valid data capture for the calendar year is less than 75% and greater than 25%.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).