Newham London

Air Quality Annual Status Report for 2024

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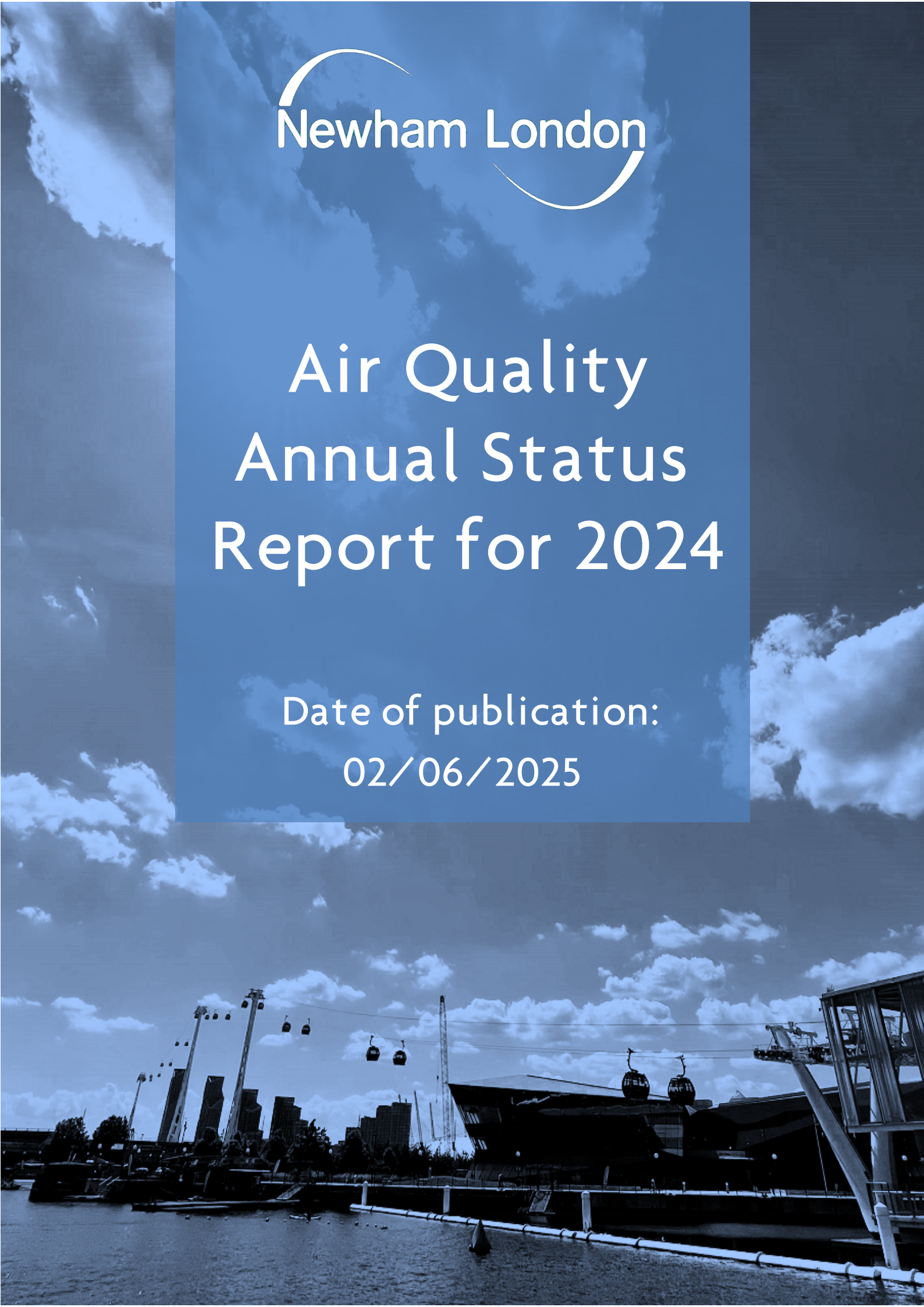

This report provides a detailed overview of air quality in Newham during 2024. It has been produced to meet the requirements of the London Local Air Quality Management (LLAQM) statutory process[1].

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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 and International Standards, Objectives and Guidelines

Pollutant	Standard / Objective / Guideline	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
	40 µg m^{-3}	Annual mean	31 Dec 2005
	WHO AQG[2]: 10 µg m^{-3}	Annual mean	-
Particles (PM_{10})	50 µg m^{-3} not to be exceeded more than 35 times a year	24-hour mean	31 Dec 2004
	WHO AQG[2]: 45 µg m^{-3} not to be exceeded more than 3-4 times a year	24-hour mean	-
	40 µg m^{-3}	Annual mean	31 Dec 2004
	WHO AQG[2]: 15 µg m^{-3}	Annual mean	-
Particles ($PM_{2.5}$)	20 µg m^{-3}	Annual mean	2020
	London Mayoral Objective[3]: 10 µg m^{-3}	Annual mean	2030
	WHO AQG[2]: 5 µg m^{-3}	Annual mean	-
	Target of 15% reduction in concentration at urban background locations	3-year mean	Between 2010 and 2021
	WHO AQG[2]: 15 µg m^{-3}	24-hour mean	-
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
Sulphur dioxide (SO_2)	WHO AQG[2]: 40 µg m^{-3} not to be exceeded more than 3-4 times a year	24-hour mean	-

Notes:

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

(2) 2021 World Health Organisation Air Quality Guidelines

(3) London Mayoral Objective

1. Air Quality Monitoring

1.1 Locations

Table B. Details of Automatic Monitoring Sites for 2024

Site ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	AQMA	Monitoring Technique	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Inlet Height (m)
NM2	Cam Rd	Roadside	538661	183969	NO_2, $PM_{2.}$, PM_{10}	AQMA No.2	T200 Chemi-luminescent, BAM	25	9	3.0
NM3	Wren Close	Urban Background	539889	181469	NO_2, $PM_{2.5}$, PM_{10}	AQMA No.2	T200 Chemi-luminescent, BAM	14	190 (A13)	3.0
TL5	Hoola Tower	Roadside	539934	180810	NO_2	AQMA No.2	Chemi-luminescence	15	3	1.5
TL6	Britannia Gate	Roadside	540324	180253	$PM_{2.5}$	AQMA No.2	Chemi-luminescence, BAM	13	7	1.4
NM4	East Ham Town Hall	Roadside	542637	183573	NO_2, $PM_{2.5}$	AQMA No.2	T200 Chemi-luminescent, BAM	25	5	1.5
BLN1	Alma Street	Roadside	538745	184982	NO_2, $PM_{2.5}$	AQMA No.2	Electro chemical, light scatter	0	6	2.5
BLN2	Ellen Wilkinson	Urban Background	542024	181692	NO_2, $PM_{2.5}$	AQMA No.2	Electro chemical, light scatter	8	13	2.5
BLN3	Central Park	Roadside	542168	183159	NO_2, $PM_{2.5}$	AQMA No.2	Electro chemical, light scatter	2	0.2	2
BLN4	Newham University	Roadside	541202	182442	NO_2, $PM_{2.5}$	AQMA No.2	Electro chemical, light scatter	16	70	4
BLN5	Silvertown	Roadside	539512	181359	NO_2, $PM_{2.5}$	AQMA No.2	Electro chemical, light scatter	18	0.2	3
ND	Newham Dockside	Urban Background	542298	180709	NO_2	AQMA No.2	M200E TAPI Chemi-luminescence	413	N/A	1.2
KGV	King George V House	Urban Background	542950	180215	NO_2, $PM_{2.5}$, PM_{10}	AQMA No.2	T200 Chemi-luminescent, Palas FIDAS 200	80	N/A	1.2

Notes: 0m if the monitoring site is at location of exposure (e.g. installed on the façade of a residential property). N/A not applicable

Table C. Details of Non-Automatic Monitoring Sites for 2024

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-1	Temple Mill Lane	Urban Background	538280	185359	NO_2	Newham AQMA no 2	60.0	0.3	N	2.3
NHM-2	o/s Salisbury School, Romford Rd	Urban Background	539570	184659	NO_2	Newham AQMA no 2	0.0	12.0	N	1.8
NHM-3	Fire Station Romford Rd	Roadside	539572	184659	NO_2	Newham AQMA no 2	1.0	5.0	N	2.6
NHM-4	Wellington Rd/ Barking Rd Junct	Roadside	542831	183618	NO_2	Newham AQMA no 2	0.0	5.0	N	2.3
NHM-6	230B Grange Rd	Urban background	539859	182655	NO_2	Newham AQMA no 2	0.0	30.0	N	1.5
NHM-7	General Hospital, Glen Rd	Urban background	541492	182332	NO_2	Newham AQMA no 2	6.0	2.0	N	1.5
NHM-8	High St South East Ham Mortuary	Urban Background	542688	183202	NO_2	Newham AQMA no 2	0.0	15.0	N	1.5
NHM-10	Tant Avenue	Urban background	539747	181477	NO_2	Newham AQMA no 2	0.0	32.0	N	1.5
NHM-11	Hallsville Rd	Kerbside	539623	181230	NO_2	Newham AQMA no 2	3.0	1.0	N	3.0
NHM-12	Galleons Roundabout	Urban background	543762	180784	NO_2	Newham AQMA no 2	0.0	12.0	N	2.8
NHM-13	290-292 Green Street	Kerbside	541134	184098	NO_2	Newham AQMA no 2	5.0	1.0	N	2
NHM-16	Opposite 99 Leytonstone Rd	Kerbside	539164	185158	NO_2	Newham AQMA no 2	2.0	0.5	N	2.5
NHM-17	44 Browning Rd	Kerbside	542729	185047	NO_2	Newham AQMA no 2	1.0	2.0	N	3.5
NHM-19	Beckton Arms, Newham Way	Kerbside	539906	18170	NO_2	Newham AQMA no 2	6.0	1.0	N	2.4

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) [1]	Distance to kerb of nearest road (m) [2]	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-20	Canning Town Roundabout	Roadside	539456	181499	NO_2	Newham AQMA no 2	16.0	8.0	N	1.5
NHM-21	Cam Rd	Roadside	538657	183973	NO_2	Newham AQMA no 2	0.0	12.0	Y	3
NHM-24	Plashet School North	Roadside	542242	184354	NO_2	Newham AQMA no 2	1.0	2.5	N	2
NHM-25	Plashet School South	Roadside	542242	184354	NO_2	Newham AQMA no 2	5.0	2.5	N	1
NHM-26	Major Road, E15	Kerbside	538478	185444	NO_2	Newham AQMA no 2	3.0	0.5	N	3
LCA01	Parker Road	Urban Background	542154	180286	NO_2	Newham AQMA no 2	12	N/A	N	2
LCA02	Camel Road	Roadside	541941	180303	NO_2	Newham AQMA no 2	3	1	N	2
LCA04	Newham Dockside east	Urban Background	542267	180710	NO_2	Newham AQMA no 2	430	N/A	N	1.2
LCA05	Strait Road	Roadside	542928	180911	NO_2	Newham AQMA no 2	6	1	N	2.8
LCA06	Gallions Way	Roadside	543724	180867	NO_2	Newham AQMA no 2	7	12	N	2.6
LCA07	Landing Lights	Other	543667	180461	NO_2	Newham AQMA no 2	183	N/A	N	
LCA09	City Aviation House	Roadside	542520	180190	NO_2	Newham AQMA no 2	40	N/A	Y	20
LCA10	Jet Centre	Other	541760	180424	NO_2	Newham AQMA no 2	220	N/A	N	
LCA11	University of East London	Urban Background	543570	180690	NO_2	Newham AQMA no 2	25	N/A	N	2.4

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
LCA12	North side of runway	Other	542192	180562	NO_2	Newham AQMA no 2	265	N/A	N	
LCA13	Newham Dockside NW	Urban Background	542274	180768	NO_2	Newham AQMA no 2	355	N/A	N	2.9
LCA14	Newham Dockside W	Urban Background	542066	180716	NO_2	Newham AQMA no 2	340	N/A	N	1.9
LCA15	Royal Albert Way	Roadside	542300	180862	NO_2	Newham AQMA no 2	200	N/A	N	1.9
LCA18	Newham Dockside triplicate	Urban Background	542267	180710	NO_2	Newham AQMA no 2	430	N/A	Y	1.2
LCA20	Silvertown Quay	Roadside	541634	180365	NO_2	Newham AQMA no 2	225	N/A	N	1.9
LCA21	Lamp post on Brixham Street	Roadside	543100	180132	NO_2	Newham AQMA no 2		N/A	N	
NHM-S 1	Salisbury Primary School	Roadside	542089	185416	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 2	Avenue Primary School	Urban background	542319	185428	NO_2	Newham AQMA no 2	10.0	1.0	N	2.5
NHM-S 3	Sir John Heron Primary School	Urban background	542564	185642	NO_2	Newham AQMA no 2	0.0	11.0	N	2.5
NHM-S 4	Sheringham Primary School	Urban Background	542922	185830	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 5	Susan Lawrence Nursery	Urban Background	543086	185713	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 6	Dersingham Primary School	Urban background	543086	185713	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 7	St Winefride's RC Primary School	Kerbside	542880	185321	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) [1]	Distance to kerb of nearest road (m) [2]	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 8	Little Ilford School	Kerbside	542734	185179	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 9	Essex Primary School	Urban background	542549	185070	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 10	Kensington Primary School	Urban Background	542701	184632	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 11	Plashet School	Kerbside	542277	184357	NO_2	Newham AQMA no 2	4.0	1.0	N	2.5
NHM-S 12	William Davies Primary School	Urban background	541681	184582	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 13	Monega Primary School	Urban Background	541797	184904	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 14	Shrewsbury Nursery	Urban background	541562	185194	NO_2	Newham AQMA no 2	1.0	3.0	N	2.5
NHM-S 15	Sandringham Primary School	Urban Background	541172	185041	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 16	Shaftesbury Primary School	Urban Background	541368	184294	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 17	St Stephen's Nursery School	Urban background	541543	184112	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 18	Cleves Primary School	Urban background	541828	183772	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 19	Hartley Primary School	Urban Background	542253	183708	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 20	Lathom Junior School	Urban background	542492	184111	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 21	Altmore Infant School	Urban background	542831	183954	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) [1]	Distance to kerb of nearest road (m) [2]	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 22	Langdon Academy	Urban background	543501	183538	NO_2	Newham AQMA no 2	0.0	5.0	N	2.5
NHM-S 23	Nelson Primary School	Urban background	543143	183468	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 24	St Michael's Catholic Primary School	Urban Background	542827	183286	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 25	Oliver Thomas Children's Centre	Urban Background	543279	183097	NO_2	Newham AQMA no 2	2.5	1.0	N	2.5
NHM-S 26	Vicarage Primary School	Urban background	542858	182778	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 27	Roman Road Primary School	Urban background	542858	182778	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 28	Brampton Manor Academy	Urban Background	541628	182342	NO_2	Newham AQMA no 2	6.0	1.0	N	2.5
NHM-S 29	Central Park Primary School	Roadside	541919	183099	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 30	St Edward's Catholic Primary School	Roadside	541384	183505	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 31	Selwyn Primary School	Urban background	540494	183908	NO_2	Newham AQMA no 2	-5.0	9.0	N	2.5
NHM-S 32	Upton Cross Primary School	Urban Background	540915	183744	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 33	St Antony's Catholic Primary School	Urban Background	540502	184400	NO_2	Newham AQMA no 2	0.0	2.0	N	2.5
NHM-S 34	Stratford School Academy	Roadside	540391	184416	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 35	Elmhurst Primary School	Urban Background	540811	184261	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) [1]	Distance to kerb of nearest road (m) [2]	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 36	St Bonaventure's RC School	Urban background	540592	184162	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 37	St Angela's Ursuline School	Urban background	540665	184510	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 38	Park Primary School	Urban Background	539849	184421	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 39	Earlham Primary School	Urban Background	540001	185106	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 40	Kay Rowe Nursery School	Urban background	540595	185247	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 41	Woodgrange Infant School	Urban background	540764	185503	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 42	Godwin Junior School	Urban background	540838	185646	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 43	Forest Gate Community School	Urban background	540359	185338	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 44	Odessa Infant School	Urban background	540099	185343	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 45	St James' C of E Junior School	Urban Background	540011	185274	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 46	Maryland Primary School	Urban Background	539326	185305	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 47	Colegrave Primary School	Urban background	538857	185210	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 48	Education Links	Urban background	538856	185408	NO_2	Newham AQMA no 2	55.0	2.0	N	2.5
NHM-S 49	Ronald Openshaw Nursery School	Urban Background	538715	185203	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) [1]	Distance to kerb of nearest road (m) [2]	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 50	Chobham Academy	Urban background	538263	185253	NO_2	Newham AQMA no 2	0.0	32.0	N	2.5
NHM-S 51	Bobby Moore Academy (primary)	Urban background	537439	184122	NO_2	Newham AQMA no 2	5.0	2.0	N	2.5
NHM-S 52	Bobby Moore Academy (secondary)	Urban background	537836	183828	NO_2	Newham AQMA no 2	1.0	1.0	N	2.5
NHM-S 53	John F Kennedy Special School	Urban background	538984	184024	NO_2	Newham AQMA no 2	6.0	1.0	N	2.5
NHM-S 54	School 21	Urban Background	538964	184062	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 55	Sarah Bonnell School	Urban background	539379	184683	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 56	West Ham Church Primary School	Kerbside	539469	183937	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 57	Portway Primary School	Urban Background	539955	183624	NO_2	Newham AQMA no 2	4.0	1.0	N	2.5
NHM-S 58	Ranelagh Primary School	Urban Background	539444	183264	NO_2	Newham AQMA no 2	2.5	1.0	N	2.5
NHM-S 59	Manor Primary School	Urban Background	539265	183375	NO_2	Newham AQMA no 2	2.5	1.0	N	2.5
NHM-S 60	East London Science School	Urban background	538336	182808	NO_2	Newham AQMA no 2	2.5	112.0	N	2.5
NHM-S 61	Abbey Lane Children's Centre	Roadside	538373	183461	NO_2	Newham AQMA no 2	4.5	1.0	N	2.5
NHM-S 62	Carpenters Primary School	Roadside	538455	183877	NO_2	Newham AQMA no 2	3.0	5.0	N	2.5
NHM-S 63	Curwen Primary School	Urban Background	540193	183176	NO_2	Newham AQMA no 2	5.0	1.0	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) [1]	Distance to kerb of nearest road (m) [2]	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 64	Eleanor Smith School	Urban background	540581	183217	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 65	Lister Community School	Urban background	540793	183493	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 66	Plaistow Primary School	Urban background	540813	183333	NO_2	Newham AQMA no 2	0.0	8.0	N	2.5
NHM-S 67	Southern Road Primary School	Urban Background	540944	183245	NO_2	Newham AQMA no 2	1.0	3.0	N	2.5
NHM-S 68	Tollgate Primary School	Urban background	541216	182059	NO_2	Newham AQMA no 2	1.0	2.0	N	2.5
NHM-S 69	The Cumberland School	Urban Background	541272	182349	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 70	Brampton Primary School	Urban background	541989	182568	NO_2	Newham AQMA no 2	1.0	2.5	N	2.5
NHM-S 71	New City Primary School	Urban background	541501	182588	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 72	Tunmarsh School	Urban background	541094	182694	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 73	Gainsborough Primary School	Urban Background	539258	182560	NO_2	Newham AQMA no 2	2.5	1.0	N	2.5
NHM-S 74	Star Primary School	Urban background	539315	182104	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 75	Eastlea Community School	Urban background	539561	182374	NO_2	Newham AQMA no 2	5.0	3.0	N	2.5
NHM-S 76	Grange Primary School	Urban background	539983	182470	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 77	St Helen's Catholic Primary School	Urban Background	540108	182314	NO_2	Newham AQMA no 2	1.5	1.0	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 78	Kaizen Primary School	Urban Background	540701	182157	NO_2	Newham AQMA no 2	7.0	2.5	N	2.5
NHM-S 79	Ravenscroft Primary School	Urban Background	540443	182132	NO_2	Newham AQMA no 2	2.5	1.0	N	2.5
NHM-S 80	Rokeby School	Roadside	539893	181888	NO_2	Newham AQMA no 2	0.0	8.0	N	2.5
NHM-S 81	St Luke's Primary School	Urban background	539842	181328	NO_2	Newham AQMA no 2	0.0	2.5	N	2.5
NHM-S 82	Hallsville Primary School	Urban Background	540113	181170	NO_2	Newham AQMA no 2	1.0	2.0	N	2.5
NHM-S 83	Keir Hardie Primary School	Urban background	540275	181638	NO_2	Newham AQMA no 2	3.0	1.0	N	2.5
NHM-S 84	Rosetta Primary School	Urban background	540855	181595	NO_2	Newham AQMA no 2	0.0	115.0	N	2.5
NHM-S 85	Edith Kerrison Nursery School	Urban Background	540742	181507	NO_2	Newham AQMA no 2	1.0	2.0	N	2.5
NHM-S 86	St Joachim's Catholic Primary School	Urban background	540961	181074	NO_2	Newham AQMA no 2	0.0	3.0	N	2.5
NHM-S 87	Britannia Village Primary	Urban background	540676	180279	NO_2	Newham AQMA no 2	1.0	3.0	N	2.5
NHM-S 88	New Directions	Urban Background	543536	180065	NO_2	Newham AQMA no 2	2.5	1.0	N	2.5
NHM-S 89	Oasis Academy Silvertown	Urban background	543202	180069	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 90	Drew Primary School	Urban background	542197	180233	NO_2	Newham AQMA no 2	0.0	2.5	N	2.5
NHM-S 91	Royal Docks Academy	Urban background	541233	181069	NO_2	Newham AQMA no 2	5.0	0.5	N	2.5

Site ID	Site Name	Site Type	X (m)	Y (m)	Pollutants monitored	AQMA	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NHM-S 92	Calverton Primary School	Urban Background	541712	181187	NO_2	Newham AQMA no 2	1.0	1.0	N	2.5
NHM-S 93	Scott Wilkie Primary School	Urban Background	541504	181370	NO_2	Newham AQMA no 2	0.0	60.0	N	2.5
NHM-S 94	Ellen Wilkinson Primary School	Urban background	542061	181645	NO_2	Newham AQMA no 2	3.0	2.0	N	2.5
NHM-S 95	Beckton & Royal Docks Children's Ctr.	Urban background	541928	181706	NO_2	Newham AQMA no 2	2.0	1.0	N	2.5
NHM-S 96	Kingsford Community School	Urban Background	542603	181523	NO_2	Newham AQMA no 2	0.0	20.0	N	2.5
NHM-S 97	North Beckton Primary School	Urban background	542805	181812	NO_2	Newham AQMA no 2	3.5	1.0	N	2.5
NHM-S 98	Gallions Primary School	Urban background	543635	181422	NO_2	Newham AQMA no 2	30.0	2.0	N	2.5
NHM-S 99	Winsor Primary School	Urban background	543208	181147	NO_2	Newham AQMA no 2	5.5	1.0	N	2.5

Notes:

(1) 0m if the monitoring site is at a location of exposure (e.g. installed on the façade of a residential property).

(2) N/A if not applicable.

1.2 Comparison of Monitoring Results with AQOs

Table D. Annual Mean NO_2 Monitoring Results: Automatic Monitoring (µg m^{-3})

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid data capture for monitoring period %[a]	Valid data capture 2024 %[b]	2018	2019	2020	2021	2022	2023	2024
NM2	538661	183969	Roadside	99.2	99.2	29	29	24	23	24	21	20.2
NM3	539889	181469	Urban Background	97.6	97.6	28	28	20	21	22	20	16.7
NM4	542637	183573	Roadside	98.7	98.7						33	30.5
TL5	539934	180810	Roadside	83.7	81.9				22	23	21	18.6
TL6	540324	180253	Roadside	75.4	75.4				26	25	22	20.6
BLN1	538745	184982	Roadside	99.5	99.5				20	18	17	15.7
BLN2	542024	181692	Urban Background	100.0	100.0						23	23.4
BLN3	542168	183159	Roadside	97.4	97.4						35	35.3
BLN4	541202	182442	Roadside	100.0	95.0				23	22	20	18.3
BLN5	539512	181359	Roadside	100.0	95.0				32	28	24	22.4
ND	542298	180709	Urban Background	95.0	95.0	25	27	20	21	22	17	14.8
KGV	542950	180215	Urban Background	83.8	83.8						17	15.6

Notes:

The annual mean concentrations are presented as µg m^{-3}. Exceedances of the annual mean AQO of 40 µg m^{-3} are shown in **bold**. Annual means in excess of 60 µg m^{-3}, indicating a potential exceedance of the 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%. Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.

(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 E. Annual Mean NO_2 Monitoring Results: Non-Automatic Monitoring (µg m^{-3})

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-1	538280	185359	Urban Background	N/A	N/A	**43**	33.4	27.3	25.2	27.4	25.7	
NHM-2	539570	184659	Urban Background	91.9	91.9	34	32.1	24.9	22.4	22.2	20.8	17.9
NHM-3	539572	184659	Roadside	99.2	99.2	35	34.6	27.4	23.0	22.4	21.8	23.0
NHM-4	542831	183618	Roadside	89.8	89.8	33	31.6	34.7	28.8	26.2	26.9	23.6
NHM-6	539859	182655	Urban background	99.2	99.2	25	22.7	18.1	16.7	16.6	14.7	14.6
NHM-7	541492	182332	Urban background	99.2	99.2	34	30.0	35.8	22.5	23.8	23.0	21.9
NHM-8	542688	183202	Urban Background	42.6	42.6	27	26.5	22.7	22.0	19.8	16.9	13.7
NHM-10	539747	181477	Urban background	91.9	91.9	27	24.4	20.4	16.1	20.1	17.5	17.3
NHM-11	539623	181230	Kerbside	84.4	84.4	31	30.7	24.9	33.6	29.6	29.6	25.7
NHM-12	543762	180784	Urban background	90.0	90.0	33	30.8	24.2	24.2	21.1	19.8	18.6
NHM-13	541134	184098	Kerbside	80.9	80.9	35	36.6	**42.5**	38.4	37.7	34.2	31.8
NHM-16	539164	185158	Kerbside	84.4	84.4	**51**	36.6	36.8	31.7	29.5	27.7	28.5
NHM-17	542729	185047	Kerbside	99.2	99.2	38	**42.3**	32.8	27.1	28.6	22.2	20.5
NHM-19	539906	18170	Kerbside	99.2	99.2	**47**	35.5	**46.3**	39.7	36.6	32.7	31.5
NHM-20	539456	181499	Roadside	99.2	99.2	**58**	35.3	32.7	28.8	33.4	27.2	27.4
NHM-21-23	538657	183973	Roadside	99.2	99.2	34	29.8	24.5	23.2	22.8	20.0	20.5
NHM-24	542242	184354	Roadside	57.7	57.7							27.3
NHM-25	542242	184354	Roadside	67.1	67.1							30.7

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-26	538478	185444	Kerbside	90.3	90.3							26.7
LCA01	542154	180286	Urban Background	91.7	91.7	28	28	21	23	22	17.1	16.5
LCA02	541941	180303	Roadside	91.7	91.7	29	31	22	22	23	17.7	17.6
LCA04	542267	180710	Urban Background	83.3	83.3	26	28	23	25	24	18.5	16.8
LCA05	542928	180911	Roadside	100	100	24	26	21	22	21	17.4	14.0
LCA06	543724	180867	Roadside	83.3	83.3	27	27	24	23	20	15.5	14.1
LCA07	543667	180461	Other	100	100	31	32	22	21	24	19.0	18.4
LCA09	542520	180190	Roadside	N/A	N/A	29	29	22	23			
LCA10	541760	180424	Other	100	100	33	33	23	25	26	20.3	19.4
LCA11	543570	180690	Urban Background	100	100	30	32	25	26	26	19.5	16.7
LCA12	542192	180562	Other	100	100	24	29	22	22	23	17.3	17.2
LCA13	542274	180768	Urban Background	91.7	91.7	30	26	24	26	23	18.6	16.6
LCA14	542066	180716	Urban Background	91.7	91.7	31	33	26	28	27	19.3	17.3
LCA15	542300	180862	Roadside	100	100	28	28	21	24	22	16.6	16.0
LCA18	542267	180710	Urban Background	100	100	25	26	20	22	22	15.3	14.7
LCA20	541634	180365	Roadside	91.7	91.7	27	35	25	27	25	20.6	22.2
LCA21	543100	180132	Roadside	100	100				20	19	13.8	13.4
NHM-S 1	542089	185416	Roadside	0*	0*		29.0	24.3	26.7	23.8	28.0	
NHM-S 2	542319	185428	Urban background	0*	0*		24.0	19.5	19.1	17.7	18.2	

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-S 3	542564	185642	Urban background	0*	0*		27.0	20.5	19.5	18.1	19.6	
NHM-S 4	542922	185830	Urban Background	0*	0*		29.0	21.6	21.1	20.0	20.4	
NHM-S 5	543086	185713	Urban Background	0*	0*		28.0	21.2	21.1	18.0	20.1	
NHM-S 6	543086	185713	Urban background	0*	0*		32.0	26.3	28.3	24.6	24.8	
NHM-S 7	542880	185321	Kerbside	0*	0*		**42.0**	32.7	32.2	30.3	32.1	
NHM-S 8	542734	185179	Kerbside	0*	0*		33.0	25.5	24.5	24.8	25.9	
NHM-S 9	542549	185070	Urban background	0*	0*		26.0	20.6	19.3	18.6	18.8	
NHM-S 10	542701	184632	Urban Background	0*	0*		27.0	22.0	24.7	20.1	21.1	
NHM-S 11	542277	184357	Kerbside	0*	0*		35.0	28.5	38.4	**53.2**	**53.8**	
NHM-S 12	541681	184582	Urban background	0*	0*		26.0	19.5	17.2	17.5	17.9	
NHM-S 13	541797	184904	Urban Background	0*	0*		29.0	21.9	19.8	18.9	20.1	
NHM-S 14	541562	185194	Urban background	0*	0*		28.0	24.3	23.4	21.5	23.7	
NHM-S 15	541172	185041	Urban Background	0*	0*		27.0	22.5	20.7	20.4	20.9	
NHM-S 16	541368	184294	Urban Background	0*	0*		28.0	23.5	20.9	20.5	23.5	
NHM-S 17	541543	184112	Urban background	0*	0*		25.0	18.7	17.9	17.8	20.1	
NHM-S 18	541828	183772	Urban background	0*	0*		25.0	19.3	18.9	18.6	20.0	
NHM-S 19	542253	183708	Urban Background	0*	0*		28.0	22.5	22.6	21.0	20.1	
NHM-S 20	542492	184111	Urban background	0*	0*		32.0	25.6	23.2	23.6	25.1	
NHM-S 21	542831	183954	Urban background	0*	0*		31.0	23.2	20.7	21.0	24.9	

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-S 22	543501	183538	Urban background	0*	0*		28.0	21.7	20.7	20.4	21.6	
NHM-S 23	543143	183468	Urban background	0*	0*		26.0	21.3	18.3	18.2	18.3	
NHM-S 24	542827	183286	Urban Background	0*	0*		26.0	21.6	20.7	19.0	20.6	
NHM-S 25	543279	183097	Urban Background	0*	0*		25.0	19.2	19.7	17.7	19.3	
NHM-S 26	542858	182778	Urban background	0*	0*		33.0	24.9	23.5	20.5	20.7	
NHM-S 27	542858	182778	Urban background	0*	0*		31.0	22.4	21.6	19.9	20.0	
NHM-S 28	541628	182342	Urban Background	0*	0*		23.0	21.1	20.2	21.0	22.6	
NHM-S 29	541919	183099	Roadside	0*	0*		31.0	22.5	20.5	18.7	21.8	
NHM-S 30	541384	183505	Roadside	0*	0*		36.0	30.1	28.3	29.6	32.2	
NHM-S 31	540494	183908	Urban background	0*	0*		29.0	24.1	24.4	24.3	23.9	
NHM-S 32	540915	183744	Urban Background	0*	0*		23.0	18.6	18.2	17.1	17.6	
NHM-S 33	540502	184400	Urban Background	0*	0*		26.0	17.8	18.8	17.8	17.8	
NHM-S 34	540391	184416	Roadside	0*	0*		30.0	24.1	22.1	19.9	22.1	
NHM-S 35	540811	184261	Urban Background	0*	0*		28.0	20.3	20.6	19.9	21.9	
NHM-S 36	540592	184162	Urban background	0*	0*		29.0	19.2	18.6	18.7	19.0	
NHM-S 37	540665	184510	Urban background	0*	0*		28.0	23.6	19.9	21.0	21.5	
NHM-S 38	539849	184421	Urban Background	0*	0*		26.0	20.9	20.2	17.3	17.4	
NHM-S 39	540001	185106	Urban Background	0*	0*		25.0	20.2	19.1	18.0	18.9	
NHM-S 40	540595	185247	Urban background	0*	0*		28.0	23.3	20.6	19.5	19.8	

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-S 41	540764	185503	Urban background	0*	0*		30.0	21.7	18.5	17.9	19.7	
NHM-S 42	540838	185646	Urban background	0*	0*		21.0	18.5	16.2	20.6	19.2	
NHM-S 43	540359	185338	Urban background	0*	0*		32.0	24.0	23.9	23.8	25.2	
NHM-S 44	540099	185343	Urban background	0*	0*		25.0	19.5	17.7	18.4	17.0	
NHM-S 45	540011	185274	Urban Background	0*	0*		23.0	19.9	17.7	19.1	20.6	
NHM-S 46	539326	185305	Urban Background	0*	0*		26.0	20.1	19.9	18.9	19.1	
NHM-S 47	538857	185210	Urban background	0*	0*		28.0	20.4	20.3	20.5	21.0	
NHM-S 48	538856	185408	Urban background	0*	0*		27.0	19.9	18.5	20.6	20.4	
NHM-S 49	538715	185203	Urban Background	0*	0*		28.0	23.1	19.8	20.7	21.4	
NHM-S 50	538263	185253	Urban background	0*	0*		28.0	22.9	21.9	20.3	22.1	
NHM-S 51	537439	184122	Urban background	0*	0*		33.0	21.8	21.1	18.1	20.9	
NHM-S 52	537836	183828	Urban background	0*	0*		27.0	20.0	19.2	19.8	19.9	
NHM-S 53	538984	184024	Urban background	0*	0*		27.0	21.8	20.6	18.0	20.1	
NHM-S 54	538964	184062	Urban Background	0*	0*		29.0	20.6	19.7	19.1	20.2	
NHM-S 55	539379	184683	Urban background	0*	0*		31.0	26.0	25.4	24.8	21.7	
NHM-S 56	539469	183937	Kerbside	0*	0*		34.0	30.4	30.6	36.1	28.2	
NHM-S 57	539955	183624	Urban Background	0*	0*		27.0	19.4	19.6	18.4	20.5	
NHM-S 58	539444	183264	Urban Background	0*	0*		27.0	19.6	18.3	17.0	17.4	
NHM-S 59	539265	183375	Urban Background	0*	0*		27.0	20.3	20.6	19.5	18.5	

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-S 60	538336	182808	Urban background	0*	0*		29.0	23.9	23.1	20.0	19.7	
NHM-S 61	538373	183461	Roadside	0*	0*		31.0	24.3	20.4	19.9	21.2	
NHM-S 62	538455	183877	Roadside	0*	0*		31.0	24.0	24.6	24.0	24.9	
NHM-S 63	540193	183176	Urban Background	0*	0*		29.0	20.1	19.9	19.0	20.1	
NHM-S 64	540581	183217	Urban background	0*	0*		25.0	19.1	18.7	17.6	18.9	
NHM-S 65	540793	183493	Urban background	0*	0*		28.0	22.6	19.4	18.2	19.4	
NHM-S 66	540813	183333	Urban background	0*	0*		27.0	21.9	21.8	18.3	20.0	
NHM-S 67	540944	183245	Urban Background	0*	0*		31.0	19.4	18.6	17.7	18.0	
NHM-S 68	541216	182059	Urban background	0*	0*		31.0	25.2	23.3	22.7	21.0	
NHM-S 69	541272	182349	Urban Background	0*	0*		32.0	24.7	24.6	21.9	25.8	
NHM-S 70	541989	182568	Urban background	0*	0*		28.0	21.0	20.6	19.7	19.7	
NHM-S 71	541501	182588	Urban background	0*	0*		31.0	25.4	22.4	20.6	21.8	
NHM-S 72	541094	182694	Urban background	0*	0*		22.0	23.3	23.2	21.0	22.6	
NHM-S 73	539258	182560	Urban Background	0*	0*		28.0	22.4	22.6	21.0	21.1	
NHM-S 74	539315	182104	Urban background	0*	0*		30.0	24.3	25.4	24.2	23.8	
NHM-S 75	539561	182374	Urban background	0*	0*		31.0	19.0	20.9	20.1	18.4	
NHM-S 76	539983	182470	Urban background	0*	0*		24.0	21.3	18.3	18.3	16.3	
NHM-S 77	540108	182314	Urban Background	0*	0*		32.0	25.0	22.2	20.9	18.7	
NHM-S 78	540701	182157	Urban Background	0*	0*		30.0	22.7	23.0	23.6	25.1	

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-S 79	540443	182132	Urban Background	0*	0*		29.0	22.1	21.1	21.2	20.7	
NHM-S 80	539893	181888	Roadside	0*	0*		36.0	32.6	27.1	27.0	26.7	
NHM-S 81	539842	181328	Urban background	0*	0*		30.0	24.4	22.9	20.4	20.8	
NHM-S 82	540113	181170	Urban Background	0*	0*		28.0	23.7	21.3	24.6	24.8	
NHM-S 83	540275	181638	Urban background	0*	0*		26.0	22.0	21.0	21.3	22.1	
NHM-S 84	540855	181595	Urban background	0*	0*		26.0	21.1	20.5	19.0	18.9	
NHM-S 85	540742	181507	Urban Background	0*	0*		27.0	20.2	19.2	19.0	17.6	
NHM-S 86	540961	181074	Urban background	0*	0*		26.0	19.7	18.6	19.3	20.6	
NHM-S 87	540676	180279	Urban background	0*	0*		24.0	20.4	19.8	20.2	21.1	
NHM-S 88	543536	180065	Urban Background	0*	0*		27.0	20.3	18.7	19.7	22.3	
NHM-S 89	543202	180069	Urban background	0*	0*		30.0	24.5	20.2	20.1	23.7	
NHM-S 90	542197	180233	Urban background	0*	0*		29.0	21.7	19.5	21.1	22.0	
NHM-S 91	541233	181069	Urban background	0*	0*		38.0	27.0	27.2	32.1	27.6	
NHM-S 92	541712	181187	Urban Background	0*	0*		24.0	19.2	17.9	18.5	18.6	
NHM-S 93	541504	181370	Urban Background	0*	0*		24.0	21.8	18.4	17.1	17.4	
NHM-S 94	542061	181645	Urban background	0*	0*		24.0	23.1	19.9	18.7	17.7	
NHM-S 95	541928	181706	Urban background	0*	0*		38.0	23.0	22.2	23.4	24.3	
NHM-S 96	542603	181523	Urban Background	0*	0*		25.0	19.1	16.7	17.3	18.4	
NHM-S 97	542805	181812	Urban background	0*	0*		21.0	19.7	18.6	17.1	19.5	

Diffusion Tube ID	X (m)	Y (m)	Site Type	Valid Data Capture for Monitoring Period (%)(1)	Valid Data Capture 2024 (%)(2)	2018	2019	2020	2021	2022	2023	2024
NHM-S 98	543635	181422	Urban background	0*	0*		29.0	22.6	20.7	20.2	19.5	
NHM-S 99	543208	181147	Urban background	0*	0*		27.0	22.2	20.2	19.5	16.0	

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LLAQM.TG19.**

☒ **Diffusion tube data has been bias adjusted.**

☒ **Reported concentrations are those at the location of the monitoring site (bias adjusted and annualised, as required), i.e. prior to any fall-off with distance correction.**

Notes:

The annual mean concentrations are presented as µg m^{-3}. Exceedances of the NO_2 annual mean objective of 40µg m^{-3} are shown in **bold**. NO_2 annual means exceeding 60µg m^{-3}, indicating a potential exceedance of the NO_2 1-hour mean 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%. Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.

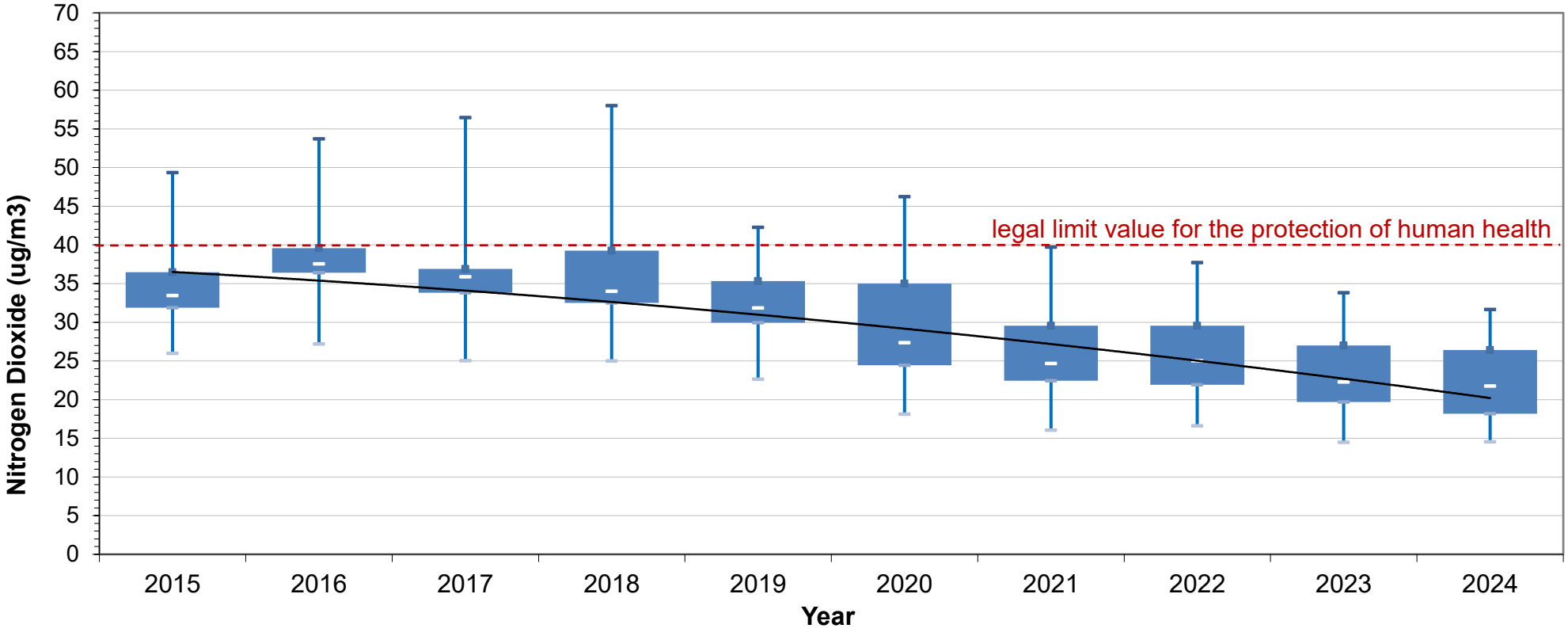
(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

***0% data capture for the non-automatic schools (NHM-S 1 – NHM-S 99) in 2024**

The 2024 data capture for non-automatic monitoring at schools was 0% due to a contractual issue. This has now been resolved and the council now has a robust checking system in place to ensure these sites will continue in the 2025 ASR. Data capture for two new sites at Plashet School was good and not impacted by this issue. This was the only school above the AQO in the 2023 ASR and so additional monitoring was introduced as part of the council's internal programme (sites NHM-24 and NHM-25).

Figure A. Ten Year NO_2 Trend at all 15 long term Non-Automatic sites (NHM-2 - NHM-21)



Boxplot interpretation:

This box plot, illustrates the annual trend in nitrogen dioxide (NO_2) concentrations at all of the long-term diffusion tube sites in Newham. These are bias towards roadside and kerbside sites. Evident is a consistent year-on-year reduction in average concentrations (illustrated by the black trend line) from 2017 until 2024.

The highest concentration sites have historically been on Newham's busiest roads, i.e. the A106 and A13. Since 2021, even these sites are consistently below the AQO of 40µg/m3. The lowest concentration sites are typically away from the roadside i.e. East London Crematorium and Cemetery. These sites have seen a levelling off in reductions since 2021.

Table F. NO_2 Automatic Monitoring Results: Comparison with 1-hour Mean Objective, No. of 1-Hour Means > 200 µg m^{-3}

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid data capture for monitoring period %(a)	Valid data capture 2024 %(b)	2018	2019	2020	2021	2022	2023	2024
NM2	538661	183969	Roadside	99.2	99.2	0	0	0	0	0	0	0
NM3	539889	181469	Urban Background	97.6	97.6	0	0	0	0	0	0	0
NM4	542637	183573	Roadside	98.7	98.7						0	0
TL5	539934	180810	Roadside	83.7	81.9				0	0	0	0
TL6	540324	180253	Roadside	75.4	75.4				0	0	0	0
BLN1	538745	184982	Roadside	99.5	99.5				0	0	0	0
BLN2	542024	181692	Urban Background	100.0	100.0						0	0
BLN3	542168	183159	Roadside	97.4	97.4						0	0
BLN4	541202	182442	Roadside	100.0	95.0				0	0	0	0
BLN5	539512	181359	Roadside	100.0	95.0				0	0	0	0
ND	542298	180709	Urban Background	95.0	95.0						0	0
KGV	542950	180215	Urban Background	83.8	83.8						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%)

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

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid data capture for monitoring period %[a]	Valid data capture 2024 %[b]	2018	2019	2020	2021	2022	2023	2024
NM2	538661	183969	Roadside	99.8	99.8	18	18	18	17	16	14	14.3
NM3	539889	181469	Urban Background	96.7	96.7	19	18	20	18	18	15	14.6
KGV	542950	180215	Urban Background	100.0	100.0						13	11.9

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	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid data capture for monitoring period %(a)	Valid data capture 2024 %(b)	2018	2019	2020	2021	2022	2023	2024
NM2	538661	183969	Roadside	99.8	99.8	1	3	6	0	4	0	0
NM3	539889	181469	Urban Background	96.7	96.7	2	4	6	2	4	0	0
KGV	542950	180215	Urban Background	100.0	100.0						2	0

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%).

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

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid data capture for monitoring period %(a)	Valid data capture 2024 %(b)	2018	2019	2020	2021	2022	2023	2024
NM2	538661	183969	Roadside	98.2	98.2			11	13	10	7	8.3
NM3	539889	181469	Urban Background	97.9	97.9			12	14	11	9	9.1
NM4	542637	183573	Roadside	97.3	96.4						11	10.1
TL6	540324	180253	Roadside	59.1	59.1				12	12	9	11.4
BLN1	538745	184982	Roadside	99.5	99.5				9	10	9	8.7
BLN2	542024	181692	Urban Background	100.0	100.0						7	6.4
BLN3	542168	183159	Roadside	97.4	97.4						8	8.0
BLN4	541202	182442	Roadside	100.0	95.0				10	9	8	7.5
BLN5	539512	181359	Roadside	100.0	95.0				12	11	9	7.5
KGV	542950	180215	Urban Background	100.0	100.0						8	7.6

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%).

Table J. 2024 SO_2 Automatic Monitoring Results: Comparison with Objectives (not applicable to Newham)

This table is intentionally missing.

Newham has not declared an AQMA for SO2; monitoring was discontinued after objectives were met for many years and were well below objective values.

Table K. Other Pollutants (not applicable to Newham)

This table is intentionally missing.

Authorities in England are not required to report on other pollutants such as Benzene, 1,3- Butadiene, Carbon Monoxide and Lead, unless there is a local issue that needs to be addressed.

2. Action to Improve Air Quality

2.1 Air Quality Management Areas

Air Quality Management Areas (AQMAs) are declared when there is an exceedance or likely exceedance of an air quality objective. After declaration, the authority should prepare an Air Quality Action Plan (AQAP) within 12 months. The AQAP should specify how air quality targets will be achieved, maintained, and provide dates by which measures will be carried out.

The London Borough of Newham first declared an Air Quality Management Area in 2002 which focused on a smaller selection of 'A' and 'B' roads. A new borough wide AQMA was declared in 2019. Table L. presents a description of the currently designated AQMA. Appendix C provides maps of the air quality monitoring locations inside the borough wide AQMA.

The air quality objectives pertinent to the current AQMA designation(s) are as follows: NO_2 40µg/m^3 annual mean, 200µg/m^3 1-hour mean (18 exceedances permitted). PM_{10} 40µg/m^3 annual mean, 50µg/m^3 24-hour mean (35 exceedances permitted).

Table L. Declared Air Quality Management Areas

AQMA Name	Date of Declaration	Pollutants and Air Quality Objectives	One Line Description	Is air quality in the AQMA influenced by roads controlled by Highways England?	Level of Exceedance: Declaration	Level of Exceedance: Current Year	Number of Years Compliant with Air Quality Objective	Name and Date of AQAP Publication	Web Link to AQAP
Newham AQMA no 2	5/12/2019	NO2 Annual Mean	Whole of Newham	NO	57	47†	Uncompliant	AQAP for AQMA 2, November 2019 Air Quality Action Plan 2019 - 2024	Ar Quality Action Plan 2019 - 2024
		PM10 24-Hour Mean			49*	43†	Uncompliant		

*LAEI 2019 sensitive exposure from A13 (grid ref: X:539792 Y:181668) †LAEI 2025 forecast sensitive exposure from A13 (grid ref: X:539792 Y:181668)

☒ **London Borough of Newham confirm the information on UK-Air regarding their AQMA(s) is up to date.**

☒ **London Borough of Newham confirm that all current AQAPs have been submitted to GLA.**

2.2 Air Quality Action Plan Progress

The current AQAP was adopted at the end of 2019. Work is underway on a new AQAP which it is hoped will be adopted in 2025

Table M provides a brief summary of Newham's progress against the Air Quality Action Plan, showing progress made this year.

Table M. Delivery of Air Quality Action Plan Measures

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
1.1	Monitoring and other core statutory duties	Maintain & expand an appropriate AQ monitoring network (currently 165 diffusion tube sites (NO2), 5 automatic monitoring sites (PM10, 2.5 & NOx), 1 NO2 diffusion tube co-location study & 25 small sensors)) so that AQ impacts within the Borough can be properly understood	Ongoing	Pollution Control	25 small sensor monitors have been deployed by a selection of suppliers operating on different networks. Some are being used to support the Council's Low Traffic Neighbourhoods and School streets. This data has already been used in justifying traffic reduction schemes, such as the Browning Bridge Closure and Heathy School Streets. There are currently 3 Breathe London monitors and 22 Earthsense monitors deployed in Newham. As part of a planning agreement with London City Airport, three real-time monitors (2 NO2 & 1 PM10 & PM2.5), together with 17 NO2 diffusion tubes are deployed around the airport. Data is available from London City Airport https://www.londoncityairport.com/corporate/corporate-info/reports-and-publications 99 of our NO2 diffusion tubes have been deployed outside the boroughs schools and 20 tubes in key locations around the borough. TfL have set up two real time monitors to assess the impact of the Silvertown Tunnel (currently under construction) Real time data is available at London Air Quality Network :: Welcome to the London Air Quality Network » Statistics Maps

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
1.2	Monitoring & core statutory duties	Declaring Smoke Control Areas & ensuring they are fully promoted & enforced.	Renew SCA in 2025	Pollution Control	In 2022 the Council took the decision to replace multiple SCAs with a single borough-wide SCA. This was delayed, awaiting clarification on the requirements of houseboats once a borough-wide SCA is in place. It is still the intention to carry out this consultation alongside the AQAP refresh consultation later in 2025.
2.1	Emissions from developments and buildings	Ensuring emissions from construction are minimised.	Ongoing	Pollution Control	Pollution Control review all major applications for air quality related issues.
2.2		Minor applications where NRMM is likely to be used have a condition requiring compliance with GLA SPG. Newham contribute to the pan-London Non-Road Mobile Machinery scheme.	Ongoing	Pollution Control	Minor applications where NRMM is likely to be used have a condition requiring compliance with GLA SPG. Newham contribute to the pan-London Non-Road Mobile Machinery scheme. 29 new sites were registered on the NRMM web site 24 audits of building sites made. Of these only 2 were non-compliant.
2.3		Reducing emissions from combined heat & power (CHP).	Ongoing	Pollution Control	No new applications for CHP plants received in 2024

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
2.4		Air Quality Neutral development – as per London Plan & Local Plan, all new development should be at least AQ neutral (as per GLA definition). Additionally, seek to implement the AQ positive provisions of the new London Plan (applying to all EIA-applicable development).	Ongoing	Pollution Control	The Pollution Control Team reviews all major applications for air quality issues. Newham's current local plan newham-local-plan-2018-pdf- and Planning Application Requirements newham-par-april-2024 requires compliance with air quality neutral for all developments. Major Applications and applications in the GLA's 'Air Quality Focus Areas' require an air quality assessment. Newham's Local Plan is being refreshed to include more pollution and climate-friendly objectives. The Pollution Control Team is working on an air quality Supplementary Planning Guidance note which it is hoped will be adopted in 2025

2.5	Emissions from developments and buildings	Promoting & delivering energy efficiency & energy supply retrofit projects in workplaces & homes through EFL retrofit programmes such as RE:FIT, RE:NEW & through Borough carbon offset funds.	Ongoing	Private Sector Housing Newham Homes Sustainability	Four of our building refurbishment have received £1.3 million in Carbon Offset Fund as part of the Area Regeneration Neighbourhood Investment Programme. This includes Alice Billing House, Stock Street, Will Thorne Pavilion, and Tate Institute. The Tate Institute refurbishment will help deliver a net-zero carbon operation, achieved through the installation of solar panels and air source heat pumps. This will ensure long-term energy efficiency and operational affordability for community use. The retrofit also serves as a showcase for using natural and reclaimed materials in line with circular economy principles. The first phase of the project is set for completion in summer 2025. The Canning Town Old Library has received £250k in Public Sector Decarbonisation Funding to support its refurbishment. Embedded energy efficiency into the Private Sector Housing team's activities by updating the enforcement schedule to encourage landlords to improve their properties to EPC C, following PAS2035 retrofit best practices, and by providing training to enforcement officers on Newham's Just Transition plan and on low-carbon heating technologies, non-typical heating and insulation, equipping them to better advise landlords. Conducted LEA (Local Energy Accelerator) feasibility study for rooftop prioritisation, identifying 50MW of solar potential in the borough and created a business plan for Repowering Communities/Community Energy Newham, providing a business and legal structure to develop, scale and finance community energy in LBN and other boroughs. Work has begun to deliver ECO4 energy efficiency improvements to low-income and vulnerable residents, working with both homeowners and private landlords and in partnership with Repowering London and local installers. We are also finalising a contract with Bid Connect to deliver energy-saving measures to 132 eligible social housing properties. Secured funding to conduct heat decarbonisation plans for some maintained schools in the borough. Delivering the Stay Warm in Newham scheme alongside Cadent foundation, Groundwork and the Renewal Programme. The scheme provides help and support to Newham residents struggling with the high

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
					energy cost through warm bank/haven sessions, home visits, telephone support, and training local energy experts in the community. Prioritisation of social housing properties to retrofit is underway, with a pilot of environmental sensor technologies, Aico and Switchee, having taken place in two identical blocks (Bassett and David Lee Point), each with 123 units, to enable retrofit impact assessment capability and align repairs for damp and mould compliance with retrofit.

3.1	Public health and awareness raising	Public Health department taking shared responsibility for Borough AQ issues & implementation of Air Quality Action Plans	2024	Pollution Control Public Health Sustainability	Newham Community Pharmacy AQ and asthma pilot: NHS North-East London and Newham Training Hub are working with Newham Community Pharmacies to provide information on the impacts of air pollution on health, to children with asthma and their families, when they pick up their asthma medication. This project has been funded by DEFRA, with Project Lead time being funded by the Newham Training Hub. Newham identified as area of highest need for this work as worst affected by air pollution AND highest case- load of high-risk asthma patients (Eclipse data) Ask of pharmacists: • To have quality conversations with children and their families, around asthma care and the impacts of air pollution on their health, and what simple steps they can do to help reduce their exposure. Aim: • Improve patient and family understanding of impacts of AP on asthma and how to mitigate these risk • Improve asthma care • Reduce reliever inhaler over-use • Reduce primary care carbon footprint (over prescribing/low carbon inhaler alternatives) Progress • Over 370 children have attended the service so far (we have funding for 740 consultations) • 13 community pharmacies currently providing the service. • Participating pharmacies displaying posters outlining 5 key actions to take to reduce exposure to air pollution and linking to the NEL HCP Air Pollution webpage using a QR code. • Participating pharmacies distributing the Air Pollution and You flyer to all patients for whom they are dispensing inhalers. • In addition, they are providing these patients with a sticker with details for the Digital Health Passport.

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
					• 11 participating pharmacies are displaying electronic tablets provided by DEFRA. These screens are being used by patients to access the DEFRA webtool whilst collecting their medications and using pharmacy services. We have engaged staff at each of the 6 GP practices, a member of staff from each of the practices has attended one of our drop-in webinars • Referral pathway from these practices is up and running, referrals being received into the service. • Ongoing engagement with practices to increase referrals: • Both in-person and Teams meetings with staff • Assistance with performing searches to identify and proactively refer eligible patients to the service • Ongoing engagement with pharmacies to increase opportunistic patient recruitment to the service • Launched a Climate Action newsletter to increase comms with our residents, stakeholders, academic partners and share how people can get involved in the Council's and wider communities' climate and energy efficiency-related activities.

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
3.2	Public health and awareness raising	Supporting a direct alert service such as airTEXT, & promotion & sharing of high pollution alert services.	2024	Pollution Control Public Health	The boroughs of Newham, Hackney and Tower Hamlets have launched an online tool, known as Air Aware to enable residents to check live air pollution levels in the area: Air Aware (air-aware.co.uk) Air Aware shows live particulate matter and nitrogen dioxide levels, helping people make informed choices about their exposure to air quality. It also features a chat function that can provide verified advice in direct response to users' questions, which can help people better protect themselves from the impact of air pollution. Air Aware uses a web-based platform that can be viewed on a mobile device, laptop, or computer. The councils have worked with a developer and local residents to design a tool that is accessible to all, including features such as translation and text-to-speech.
3.3	Public health and awareness raising	Encourage schools to join the TfL STARS accredited travel planning program to reduce congestion, improve road safety & improve health & wellbeing of our schoolchildren	Ongoing	Highways	Academic year 2023 – 24: 27 Gold, 2 silver, 14 bronze and 15 engaged schools in the borough. 10 Campaigns & Events run / promoted, 26 teachers attended STP workshops * Overall reduction in car journeys to school

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
3.4	Public health and awareness raising	Air quality in & around schools & extend the school audits GLA framework to all polluted schools.	Ongoing	Highways Pollution Control	The borough has successfully expanded its "Healthy School Streets" programme to 38 zones encompassing 51 schools. Roads are closed to non-residents during peak hours to reduce motorised traffic. - 5 permanent school streets in Phase 1 - 6 permanent school streets in Phase 2 - 5 permanent school streets in Phase 3 - 4 experimental school streets in Phase 4 - 8 experimental school streets in Phase 5.1 - 10 experimental school streets in Phase 5.2 Existing Healthy School Streets – Healthy School Streets – Newham Council 13 schools joined the scheme in the 2023 – 2024 academic year, and 15 more schools participating in the 2024-2025 academic year. The cost per school is £480 per year, which will cover: • Training and welcome sessions for teachers • 26 expert-designed climate education sessions, including three outdoor sessions • Calculation of school carbon footprint • Two teacher training sessions to support the further inclusion of climate education in school lessons and life • Awareness-raising activities • Monitoring and evaluation. Over 80% of participating schools are located in areas with the top 30% of the Indices of Multiple Deprivation, ensuring that more young people from disadvantaged backgrounds can access climate education. The Council's Climate Action Team has funded the scheme for the 2024-2025 academic year.

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
3.5	Public health and awareness raising		2025	Public Health	BetterPoints, an app-based programme and dedicated website, aimed at encouraging users to walk, wheel, cycle or run, in order to improve their health and wellbeing was commissioned in January 2024. Once users start moving, activity is automatically recorded. Users then start to receive BetterPoints rewards, a digital currency which can be exchanged for shopping vouchers at local businesses, or alternatively, a charity donation. The first year of the BetterPoints Newham Challenge has been funded by Westfield East Bank Creative Futures Fund, supported by Westfield Stratford City and Foundation for Future London. https://www.newham.gov.uk/betterpointslaunch
3.6	Public health and awareness raising	Advice given to event organisers to make use of public transport and sustainable travel for their events, at the planning stage. Also work with major venues in the Olympic Park such as London Stadium and Abba Arena who are all public transport destinations as required by their planning permissions.	2024	The Safety Advisory Group	125 events licenced in 2024

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
4.1	Delivery servicing & Freight	Reducing emissions from deliveries to local businesses & residents.	2025	Sustainability	Launched the Excess Materials Exchange platform - digital marketplace for the reuse of construction materials - to reduce the emissions associated with material use in new development and refurbishment of buildings, and this has been promoted to developers and contractors in the borough. Significant work has been done to initiate and develop the idea of a physical construction materials hub in Silvertown, working with the Royal Docks team to bring together stakeholders and funding to deliver this.

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
5.1	Borough fleet	Borough fleet Reducing emissions from council fleets, including a switch to zero emission vehicles	Ongoing	Fleet	Plan to either electrify our vehicle fleet or move away from diesel as a fuel by 2030 The Council's Fleet now consists of 70 fully electric vehicles. Further vehicle procurements are being carried out with an initial review of whether electric vehicles are fit for purpose and practically possible. Replaced our existing van fleet with 137 mild hybrid vehicles & operate all our vehicle fleet on gas-to-liquid fuel (not conventional diesel). Replacing our existing refuse fleet vehicles & although they are not fully electric, they will have fully electric bin lifting equipment. Installed additional charging units in our Folkestone Road Depot. Note: due to a lack of a suitable power supply and no funding to get additional power installed the move to more electric vehicles is currently on hold. Our Green Fleet Management will identify and rectify driver behaviour. Areas such as carbon footprints, idling and speeding will be monitored for all council vehicles. This will be achieved through a telematics system for all new vehicles. Fleet services have been accredited 'Clean Van Commitment' and pledged to Engines Off. Fleet has obtained "Truck excellence accreditation" What the council is doing? – Energy and sustainability – Newham Council

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
6.1	Localised solutions	Maximising the AQ benefits of Green Infrastructure (GI) in new development.	Ongoing	Pollution Control Sustainability	This will be delivered through implementation of the new Local Plan, in line with the new London Plan 2020. Phase 3 to 6 of the Thameside West under development will see one of the last derelict docklands sites in the Royal Docks regenerated with expansive new parkland. Bidder Street Data Centre: In October 2024, Newham Council approved plans for a 77MW hyper scale data centre in Canning Town. The £750 million investment is expected to create numerous jobs and regenerate the Cody Triangle area. The facility will have the capacity to export recycled heat to approximately 13,000 homes and businesses and will open part of the River Lea path, enhancing connectivity between Canning Town and Stratford

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
6.2	Localised solutions	Localised solutions Green infrastructure delivery (GI). Beyond the promotion and protection of GI through the planning regime, LBN can seek to deliver GI through its other responsibilities.	Ongoing	Pollution Control Sustainability	Alongside SUGi, we have planted seven 'pocket forests' in schools and community spaces, planting 14,460 trees of 22 different native species varieties across 4,820 square metres, making Newham more resilient, greener, and vibrant while engaging with children and young people. https://www.sugiproject.com/partners/newham Beckton Meadows: In March 2023, Newham Council secured £38,500 from the Mayor of London's Rewild London Fund to develop Beckton Meadows. This project involves creating a 3,000-square-metre wildflower meadow in Beckton District Park, aiming to boost biodiversity and provide educational opportunities for the community. Urban Pocket Forests: In June 2023, the council announced a £500,000 investment to establish biodiverse "pocket forests" in schools and communities. These small urban forests are designed to improve air quality, reduce urban heat effects, and enhance access to green spaces. So far seven 'pocket forests' have been planted in schools and community spaces. Planting 14,460 trees of 22 different native species varieties across 4,820 square metres, making Newham more climate resilient, greener, and vibrant while engaging with children and young people. Westfield Avenue Public Realm Improvement: In February 2024, Newham Council, in partnership with the London Legacy Development Corporation and supported by the Mayor of London, initiated a £12 million project to transform Westfield Avenue. The scheme includes wider pavements, segregated cycle tracks, improved crossings, and the planting of 60 new trees, 31 rain gardens, and 15 planting beds. This project is part of Newham's Just Transition plan, aiming to establish Stratford as London's first Green Zone by 2026.

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
6.2	Localised solutions	Update of Procurement policies to reduce pollution from logistics & servicing.	2025	Procurement	There has been a major reorganisation in Procurement in Newham and the lack of policies around social value (including air quality) in the Council's procedures has been recognised. It is the intention to incorporate wider social values in the council's procurement policies in 2025
7.1	Cleaner transport	Reducing emissions from deliveries to local businesses & residents.	2025	Highways	8-month commission for Cargo Bikes for Business (MP Smarter Travel) 95 businesses across the borough engaged from various industries. £6k subsidy for acquiring a cargo bike or use of cargo bike Services. 5 cargo bike trials – 4 businesses have purchased bikes, and one has used a cargo bike-based service.
7.2	Cleaner transport	Low Emission Neighbourhoods (LENs) including low traffic schemes.	2024	Highways Pollution Control	To further promote sustainable and cleaner living environment, the council has increased the number of streets within LTNs by 10% to 44% in total from 2019 to 2024. Newham currently has 7 Low Traffic Neighbourhoods: 1. Maryland 2. Odessa 3. Manby 4. Atherton 5. Stratford Park 6. Woodgrange and Capel 7. West Ham Park The Pollution Control Team work closely with Highways to ensure interventions have a positive effect on air quality. Air quality monitoring and traffic count surveys are carried out before and after major healthy street initiatives to aid in public consultation and decision making. Low Traffic Neighbourhoods – Newham Council

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
7.3	Cleaner transport	Discouraging vehicle idling	2024	Highways Pollution Control	"No Idling" signs have been placed throughout the borough, particularly in areas identified as hotspots for vehicle idling such as schools and busy junctions to remind drivers to switch off their engines when parked. This was part of the council's efforts to improve air quality by participating in the "Engine Off. Every Stop" campaign.
7.3	Cleaner transport	Regular temporary Car Free Days & pedestrianisation schemes	2024	Highways Pollution Control	The West Ham park LTN will also be planning temporary street closures as part of their activation and engagement days.
7.4	Cleaner transport	Using parking policy to reduce pollution emissions.	2024-5	Highways	In December 2024 Cabinet agreed that in relation to diesel vehicles, a surcharge for diesel vehicles across all forms of parking in Newham in 2025. The intention is to expand the gap in charges between Newham's emissions-based charging bands, to strengthen the incentive for drivers of higher polluting vehicles to make greener choices, either by moving to a lower emitting vehicle, or opting for active travel, where their car is rarely used. The new charges, which are due to be introduced in summer 2025, will ensure that drivers of electric and low emission vehicles are rewarded for their choices through significantly lower charges, while making sure that those who choose to drive high polluting or diesel vehicles are properly incentivised to make the move to greener options.

Measure	LLAQM Action Matrix Theme	Action	Estimated / Actual Completion Date	Organisations Involved	Progress • Emissions/Concentration data • Benefits • Negative impacts / Complaints
7.5	Cleaner transport	Installation of Ultra-Low Emission Vehicle (ULEV) infrastructure (electric vehicle charging points, rapid electric vehicle charging point & hydrogen refuelling stations).	2024-5	Highways	With government phasing out combustion engines, TfL estimate that 60,000 electric chargers could be needed in London by 2030. The Council has been expanding the EV charging infrastructure to 238 on-street chargers to support cleaner vehicles. The majority of these are dual socket fast chargers with the ability of charging most cars and vans in less than two hours. The chargers are accompanied by dedicated electric vehicle bays to further encourage the switch from combustion. There is an intention to have a total of 3000 EV charging points by 2030 Note: there have been complaints about the loss of parking spaces The Council is supporting a TfL project for a high capacity charging point in Canning Town

7.6	Cleaner transport	Provision of infrastructure to support walking & cycling	2024-5	Highways	The North Woolwich Rd Corridor: interconnecting the emerging new neighbourhoods making active travel easier, safer and more convenient (completing 2025). Westfield Avenue Improvement scheme: London's first 'Green Zone' includes an attractive network of walking and cycling routes to new homes, businesses, and the Queen Elizabeth Olympic Park (completing 2025). The Prince Regent Lane improvement works: Enhanced traffic flow and pedestrian safety, including a dedicated bus priority scheme, widening footpaths, adding signalled pedestrian crossings, cycling improvements, and reconfiguring junctions to prioritise pedestrians and buses (completed 2024). Romford Road Public Realm Improvement Scheme: A healthy Streets approach to encourage active travel for residents, businesses, visitors (under construction). Over 1km of stepped cycle track, 9 new continuous footway (11 in total), 1 new bus stop bypass Over 1km improved footway, including trees and planting. The Stratford Station Business Plan is exploring significant improvements to the public realm, cycling, and walking routes around and through the station. This includes reviewing the operation of the lines running through Stratford to increase the number of journeys within the Borough and reduce car use. We are also working closely with the Stratford BID on public realm and wayfinding improvements to enhance walkability in the town centre. £2.5 million has been spent on public realm improvements in Forest Gate, Manor Park, Green Street, and Little Ilford as part of the 'Shape Newham' and 'Colours of Projects' programmes. These improvements include new seating, cycle hangars, and planting, all aimed at increasing biodiversity in these areas.

3. Planning Update and Other New Sources of Emissions

Table N. Planning requirements met by planning applications

Condition	Number
No. of planning applications with a reviewed air quality impact assessment	23
No. of planning applications required to monitor for construction dust	46
No. of CHPs/Biomass boilers refused on air quality grounds	0
No. of CHPs/Biomass boilers subject to GLA emissions limits/other restrictions	0
No. of developments required to install Ultra-Low NO_x boilers	0
No. of developments where an AQ Neutral assessments is undertaken	26
No. of developments where AQ Neutral assessment mitigation is required	2
No. of planning applications with S106 agreement to improve air quality	2
No. of planning applications with CIL contribution to improve air quality	0
NRMM: Central Activity Zone, Canary Wharf and Opportunity Areas	
No. of conditions related to NRMM included.	8
No. of developments registered at www.nrmm.london	14
No. of audits (pan London audits only)	10
% of sites unregistered prior to audit	2
% of sites compliant	90
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 IV of the Directive and/or exemptions to the policy.	The information above has been collated from the GLA NRMM web site & '24 report
NRMM: Excluding Central Activity Zone, Canary Wharf and Opportunity Areas	
No. of conditions related to NRMM included.	38
No. of developments registered.	16 registered
No. of audits	14
% of sites unregistered prior to audit	0
% of sites compliant	100
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 IV of the Directive and/or exemptions to the policy.	The information above has been collated from the GLA NRMM web site & '24 report.

Note: This table only includes planning applications submitted to the London Borough of Newham in 2024. Approximately a quarter of the borough's area was controlled by the London Legacy Development Corporation, which dealt with planning applications in the E15 and E20 postal districts.

3.1 New or significantly changed industrial or other sources

Silvertown Tunnel. This TfL sponsored project was opened to the public on the 7th April 2025. At the tunnel opening, significant increases in general traffic and HGV's in particular have been recorded. HGV's are unable to use the Blackwall Tunnel because of height restrictions. Emissions monitoring is currently underway along Silvertown Way and this will be reported further in next years ASR.

GPark Data Centre. This application was approved in 2024. It will incorporate 102 back-up diesel generators, with the capacity to deliver 30MW of electricity. The site does not meet the Air Quality Neutral benchmark and off-setting payments will be made on its phased opening

Bidder St Data Centre. This application was approved in 2024. It will incorporate 79 back-up diesel generators. The site does not meet the Air Quality Neutral benchmark and off-setting payments will be made on its phased opening

Beckton CHiP plant. Whilst not a 'new' process at the end of 2024, under the Medium Combustion Plant Directive, regulation of this plant was moved from Newham to the Environment Agency. The EA are revising its Permit to ensure compliance with the MCPD standards.

4. Additional Activities to Improve Air Quality

4.1 London Borough of Newham's Fleet

The Council's fleet consists of a total of 629 vehicles, the engine type of each is as follows:

Engine Type	Number of vehicles	Percentage
Fully Electric	70	11.1%
Diesel Hybrid	135	21.5%
Diesel	397	63.1%
Petrol	27	4.3%

4.2 Planning Enforcement

The London Development Corporation (LLDC) had planning and enforcement control over the largest redevelopment area in Newham (E15 & E20) until December 2024. For the remaining applications Newham's Pollution and Planning Enforcement Teams collaborate with the Pan-London 'Cleaner Construction for London' project where sites are audited for compliance. The compliance rate for sites is high and enforcement action has not been necessary.

4.3 Pan-London NRMM Auditing Project

The London Borough of Newham will continue to fund the NRMM Enforcement Project in 2025/6.

NRMM Planning Condition for Large Sites:

The development hereby permitted shall not commence unless and until a Construction Management Plan has been submitted to and approved in writing by the Local Planning Authority. The Construction Management Plan shall include details of:

- *air pollution control measures complaint with the GLA SPG on 'The Control of Dust and Emissions During Construction and Demolition'. Specifically:*
  - *an air quality and dust risk assessment*
  - *an 'air quality and dust management plan'*
  - *monitoring proposals*
  - *Non-road mobile machinery emissions including registration of the site at the GLA web site: https://www.london.gov.uk/what-we-do/environment/pollution-and-air-quality/nrmm*
- *An assessment of all matters as are likely to cause nuisance to adjoining occupiers (including but not limited to; noise, vibration, dust, smoke, odour control) accompanied by mitigation measures addressing all matters relevant to the site.*
- *No burning shall be carried out on site.*

- *For the control of noise and vibration, reference shall be had to BS 5228 'Code of practice for noise and vibration control on construction and open sites'*
- *Hours of work on the site shall be 08:00-18:00 Monday to Friday; 08:00-13:00 Saturday and at no time on Sundays or Public Holidays.*
- *Community liaison to give clear information to residents and others in advance in writing about potential disturbances/disruptions from i.e. noise, dust, or disruption of traffic, incidents, etc*
- *Any other bespoke requirement [insert if required]*

The development shall be undertaken at all times in accordance with the approved Construction Management Plan.

Standard NRMM Planning Condition:

The demolition and construction approved by this planning consent shall be undertaken in accordance with the Greater London Authority 'Control of Dust and Emissions from Construction and Demolition' SPG.

- *Before work commences on site, the site must be registered under the NRMM Regulations which are explained in the SPG.*
- *https://www.london.gov.uk/what-we-do/environment/pollution-and-air-quality/nrmm*
- *Hours of work on the site shall be 08:00-18:00 Monday to Friday; 08:00-13:00 Saturday and at no time on Sundays or Public Holidays.*
- *Best practice, as defined in BS 5228 'Code of practice for noise and vibration control on construction and open sites' shall be used for the control of noise.*
- *No burning shall be carried out on site.*

Application of NRMM Conditions

These conditions are applied when Development Control consult the Pollution Team on construction related planning applications. The London Legacy Development Corporation was wound up at the end of 2024. Newham is currently the local planning authority for the whole of its administrative area

4.4 Air Quality Alerts

The borough supports airTEXT (https://www.airtext.info/) and our communications team is signed up to and relays Air Quality Alerts where relevant to Newham residents on various online platforms. Newham also support a new community engagement air quality information service Air Aware (https://www.air-aware.co.uk/) along with the London boroughs of Hackney, Tower Hamlets and City of London

4.5 Air Quality Positive

No examples of innovative mitigation measures

Appendix A Details of Monitoring Site Quality QA/QC

A.1 Automatic Monitoring Sites

The five sites in Newham are representative of relevant exposure in the borough. The sites were connected to the Air Quality England Network with QA/QC undertaken by Ricardo Energy & Environment which follows the same standards of the government's AURN sites. Monthly calibrations are carried out by a Council Air Quality Officer, while independent audits were undertaken through the data management and QA/QC contract with Ricardo. TL5 and TL6 are operated by Transport for London (TfL).

PM_{10} Monitoring Adjustment

The TG16 guidance highlights that any PM_{10} monitoring undertaken must conform to criteria relating to the gravimetric European Reference Method or its approved equivalent. Newham deployed FDMS analysers at Wren Close and Cam Road until May 2018, which were found to be equivalent. The heated BAM 1020 analysers have been deployed at Wren Close and Cam Road since May 2018. East Ham Town Hall has one BAM measuring $PM_{2.5}$ which was installed in December 2022. The relevant correction factors are applied to BAM data by Ricardo.

A.2 Diffusion Tubes

The diffusion tubes were supplied and analysed by Gradko International Ltd, with a preparation method using 50% TEA in acetone. Gradko is a UKAS accredited laboratory and participates in the new AIR-PT Scheme (a continuation of the Workplace Analysis Scheme for Proficiency (WASP)) for NO_2 tube analysis and the Annual Field Inter-Comparison Exercise.

Factor from Local Co-Location Studies

Diffusion tubes are known to exhibit bias when compared to results from automatic analysers. Therefore, diffusion tube results need to be adjusted to account for this bias. The council has triplicate tubes located at its Cam Road (NM2) automatic monitoring station. The bias adjustment factors below are derived from this co-location study and validated alongside the National Diffusion Tube Bias Adjustment studies, using the same analytical method and laboratory.

A bias adjustment factor for 2024 of **0.81** (also 0.81 in 2023) was derived from the local co-location study, with 'good overall precision' and 'good overall data capture' for the 2024 monitoring period. The national spreadsheet correction factor for this type of study was **0.88** for 2024. The difference in the two factors is 8.6%.

Discussion of Choice of Factor to Use

A comparison with the local bias adjustment factors calculated from previous years shows a close comparison and this year's local bias adjustment compares closely with the national adjustment of 0.88**.** As such, the adjustment factors listed in Table O have been considered appropriate to use.

Table O. Bias Adjustment Factor

Year	Local or National	If Local, Version of National Spreadsheet	Adjustment Factor
2024	Local	04/25	0.81
2023	Local	03/24	0.81
2022	Local	04/23	0.80
2021	Local	03/22	0.80
2020	Local	06/21	0.85
2019	National	-	0.86
2018	National	-	0.89

A.3 Adjustments to the Ratified Monitoring Data

Short-term to Long-term Data Adjustment

Where data capture is less than 75% and greater than 25% of a full calendar year (between 3 and 9 months), the mean should be “annualised” – i.e. adjusted using the methodology outlined in LLAQM.TG(19) before being compared to annual mean objectives.

Table P has been completed to annualise the non-automatic NO_2 data for NHM 8, which had access issues in 2024 and NHM 24/25, which are new sites that only started in April at Plashet School.

Table S has been completed for TL6 (Britannia Gate) to annualise the $PM_{2.5}$ data which was not captured for over 4 months in the periods February-March 2024 and July-August 2024. There were some extended power outages to the station in this period due to major improvement works along the Royal Docks Corridor.

Distance Adjustment

If an exceedance is measured at a monitoring site which is not representative of public exposure, the procedure specified in LLAQM.TG(19) is used to estimate the concentration at the nearest receptor.

Table T has not been completed, as there were no sites in 2024 exceeding the annual NO_2 legal limit value at the source.

Table P. Non-Automatic Monitoring Data Adjustment

Site ID	Annualisation Factor Wren Close (Newham)	Annualisation Factor Dawlish Rd (Waltham Forest)	Annualisation Factor Ley Street (Redbridge)	Annualisation Factor Belvedere (Bexley)	Average Annualisation Factor	Raw Data Simple Annual Mean (µg/m³)	Annualised Data Simple Annual Mean (µg/m3)
NHM 08	0.8131	0.7366	0.7803	0.7912	0.7803	21.6	16.8
NHM 24	1.1485	1.1313	1.2153	1.1344	1.1574	29.0	33.5
NHM 25	1.0869	1.0523	1.1354	1.0577	1.0831	34.8	37.7

Table Q. Automatic NO_2 Monitoring Data Adjustment

This table is intentionally missing. Calculations are not required where the annual data capture for all sites are greater than 75%.

Table R. Automatic PM_{10} Monitoring Data Adjustment

This table is intentionally missing. Calculations are not required where the annual data capture for all sites are greater than 75%.

Table S. Automatic $PM_{2.5}$ Monitoring Data Adjustment

Background Site	Annual Data Capture (%)	Annual Mean (A_m)	TL6	
			Period Mean (P_m)	Ratio (A_m / P_m)
Wren Close (Newham)	97.89	9.10	8.7	1.04
Dawlish Rd (Waltham Forest)	99.16	9.41	9.1	1.04
Belvedere (Bexley)	96.05	7.31	7.1	1.01
Average (R_a)			1.04	
Raw Data Annual Mean (M)			11.0	
Annualised Annual Mean (M x R_a)			11.4	

Table T. NO_2 Fall off With Distance Calculations

This table is intentionally missing. Calculations are not required where there are no exceedances at source of the annual mean NO_2 objective of 40µg m^{-3} .

Appendix B Full Monthly Diffusion Tube Results for 2024

Table U. NO_2 2024 Diffusion Tube Results (µg m^{-3})

DT ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual Mean: Raw Data	Annual Mean: Annualised and Bias Adjusted <(x.x)>	Annual Mean: Distance Corrected to Nearest Exposure	Comment
NHM-2	539570	184659	30.3	29.3		13.2	15.9	17.3	18.7	18.9	21.9	27.3	27.3	21.9	22.0	17.9		
NHM-3	539572	184659	28.6	27.6	21.1	28.5	18.8	18.7	41.3	23.9	28.7	35.0	37.5	30.1	28.3	23.0		
NHM-4	542831	183618	39.4		31.1	28.6	27.4	23.7	24.4	25.3	29.9	27.4	33.5	29.1	29.1	23.6		
NHM-6	539859	182655	19.9	21.9	17.7	17.6	10.7	11.0	14.7	14.3	28.7	20.9	21.5	16.6	17.9	14.6		
NHM-7	541492	182332	32.7	30.9	28.9	23.7	23.9	17.4	23.7	22.0	27.9	29.0	33.5	29.2	26.9	21.9		
NHM-8	542688	183202	25.9	20.0								23.6	24.6	13.8	21.6	13.7		
NHM-10	539747	181477	27.1	24.3		22.1	17.6	17.5	16.3	16.7	20.5	21.6	27.8	23.2	21.3	17.3		
NHM-11	539623	181230	40.9	39.8		30.5	21.5	21.9	32.0	30.4		35.7	35.3	27.4	31.6	25.7		
NHM-12	543762	180784	26.8	22.0	22.8	22.0	17.5	21.0	18.0	22.0	22.3	27.6	29.5		22.9	18.6		
NHM-13	541134	184098	38.6	45.9	38.8	44.7	36.6		32.9		32.9	42.7	46.1	31.8	39.1	31.8		
NHM-16	539164	185158	39.4	37.5		36.2	31.2	29.3		30.6	29.1	41.4	42.1	33.9	35.1	28.5		
NHM-17	542729	185047	31.3	28.1	25.5	23.1	17.4	21.6	20.2	20.7	23.4	29.0	34.5	27.7	25.2	20.5		
NHM-19	539906	18170	40.1	45.4	39.5	34.8	23.3	27.2	25.7	39.2	47.2	46.9	50.7	45.4	38.8	31.5		
NHM-20	539456	181499	43.2	45.6	32.2	39.8	31.2	29.8	31.6	25.2	14.1	38.4	36.2	36.5	33.7	27.4		
NHM-21	538657	183973	34.7	26.9	26.5	25.2	22.7	21.1	18.6	17.1	23.9	30.2	30.8	24.6	25.2	20.5		
NHM-24	542242	184354				29.4		22.0	25.5	26.5	34.2		36.3	28.9	29.0	27.3		
NHM-25	542242	184354				34.5		28.8	29.0	34.9	48.4	45.6	30.2	27.3	34.8	30.7		
NHM-26	538478	185444	33.2	31.1	33.9	30.5	21.2		33.6	31.9	37.7	39.2	40.1	28.9	32.8	26.7		
LCA01	542154	180286	27.5	24.1	23.2	17.1	21.4	-	17.3	16.4	23.3	25.2	28.3	31.6	23.2	16.5		
LCA02	541941	180303	28.3	22.7	23.6	17.3	24.3	23.3	22.6	21.4	28.4	29.2	-	30.2	24.8	17.6		
LCA04	542267	180710	-	27.0	23.3	18.6	-	19.8	10.9	20.3	22.6	29.8	26.8	35.9	23.7	16.8		
LCA05	542928	180911	25.2	23.5	22.3	15.6	18.7	15.6	7.6	16.8	20.5	20.3	24.5	27.1	19.8	14.0		
LCA06	543724	180867	24.1	23.0	20.9	14.5	20.0	17.7	15.9	16.5	-	23.6	23.3	-	20.0	14.1		
LCA07	543667	180461	29.8	26.4	23.3	20.1	23.8	22.4	21.9	20.7	25.6	28.8	31.5	35.5	25.9	18.4		
LCA10	541760	180424	30.6	35.4	24.8	20.9	27.0	22.7	24.3	23.9	20.7	31.8	31.7	33.3	27.3	19.4		
LCA11	543570	180690	26.5	25.3	24.0	18.8	18.5	18.8	18.1	20.0	21.5	27.6	27.6	34.1	23.5	16.7		
LCA12	542192	180562	28.7	33.5	22.9	15.2	21.3	17.9	19.4	17.7	29.8	29.2	26.3	29.1	24.3	17.2		
LCA13	542274	180768	32.0	25.0	24.9	17.5	21.7	19.2	20.0	16.9	21.8	-	27.1	31.1	23.4	16.6		
LCA14	542066	180716	31.7	27.9	26.4	15.6	21.0	17.3	-	15.6	18.3	28.1	31.8	34.2	24.5	17.3		
LCA15	542300	180862	27.7	24.7	24.1	16.3	19.7	17.5	17.9	16.5	21.2	29.5	28.7	25.8	22.5	16.0		
LCA18	542267	180710	26.4	24.2	22.5	15.3	19.1	15.5	17.2	16.7	19.3	18.4	26.2	27.6	20.8	14.7		
LCA20	541634	180365	33.2	27.5	29.3	22.9	34.5	24.8	-	27.0	36.0	41.1	34.8	30.8	31.4	22.2		
LCA21	543100	180132	24.0	20.6	17.7	13.7	17.1	15.1	14.6	13.9	18.0	22.3	22.5	25.9	18.9	13.4		

☒ **All erroneous data has been removed from the NO_2 diffusion tube dataset presented in Table R.**

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LLAQM.TG19.**

☒ **National bias adjustment factor used.**

☒ **Where applicable, data has been distance corrected for relevant exposure in the final column.**

☒ **London Borough of Newham confirm that all 2024 diffusion tube data has been uploaded to the Diffusion Tube Data Entry System.**

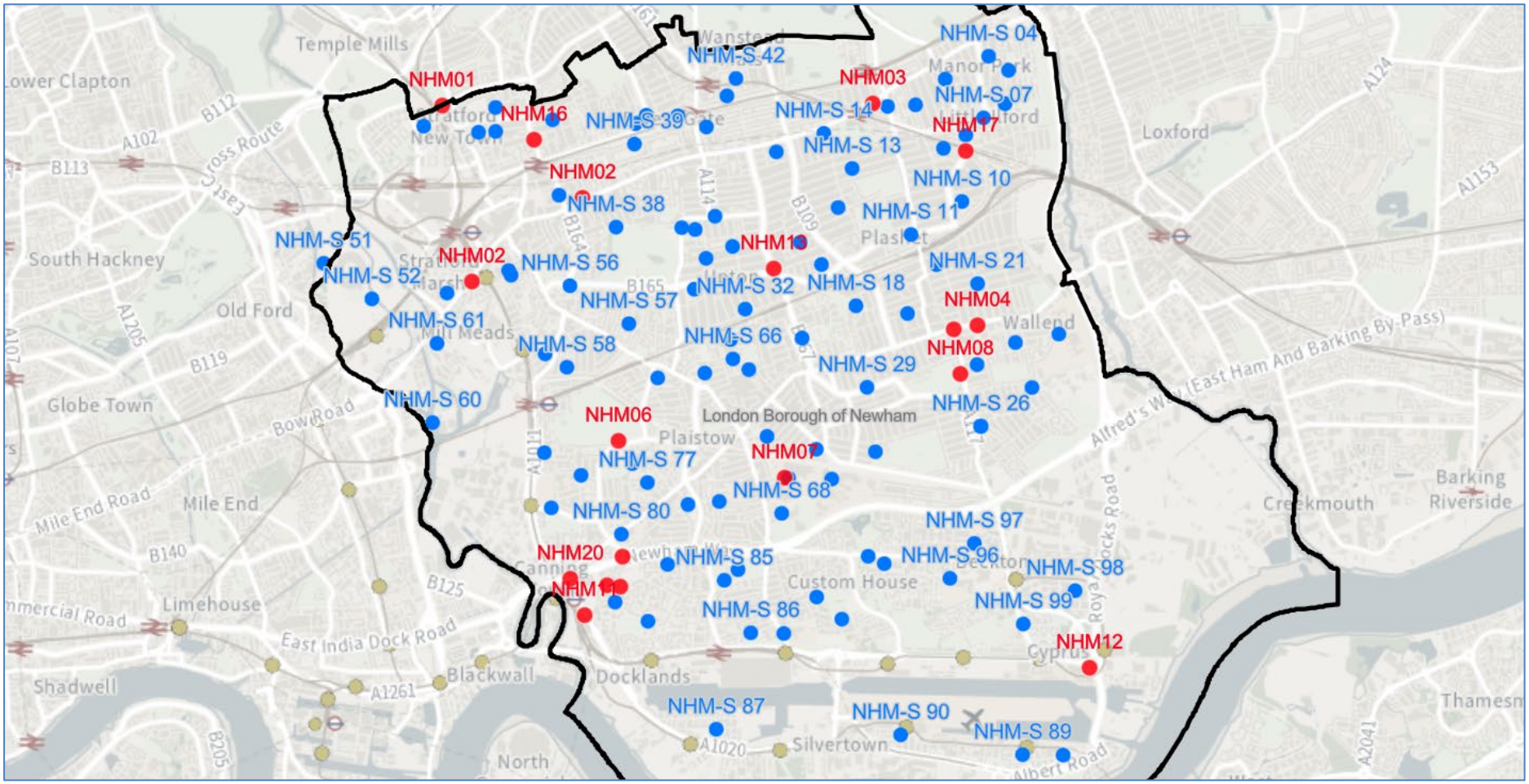
Notes: Exceedances of the NO_2 annual mean objective of 40µg m^{-3} are shown in **bold**.

NO_2 annual means exceeding 60µg m^{-3}, indicating a potential exceedance of the NO_2 1-hour mean objective are shown in **bold and underlined**.

See Appendix C for details on bias adjustment and annualisation.

Appendix C Map(s) of Monitoring Locations and AQMAs

Figure B. Map of Non-Automatic Monitoring Sites



Key: ●Long Term Non-Automatic Monitoring Sites (Founded 1997) ●Non-Automatic Monitoring Sites at schools (Founded 2019)

Figure C. **Map of Automatic Monitoring Sites**

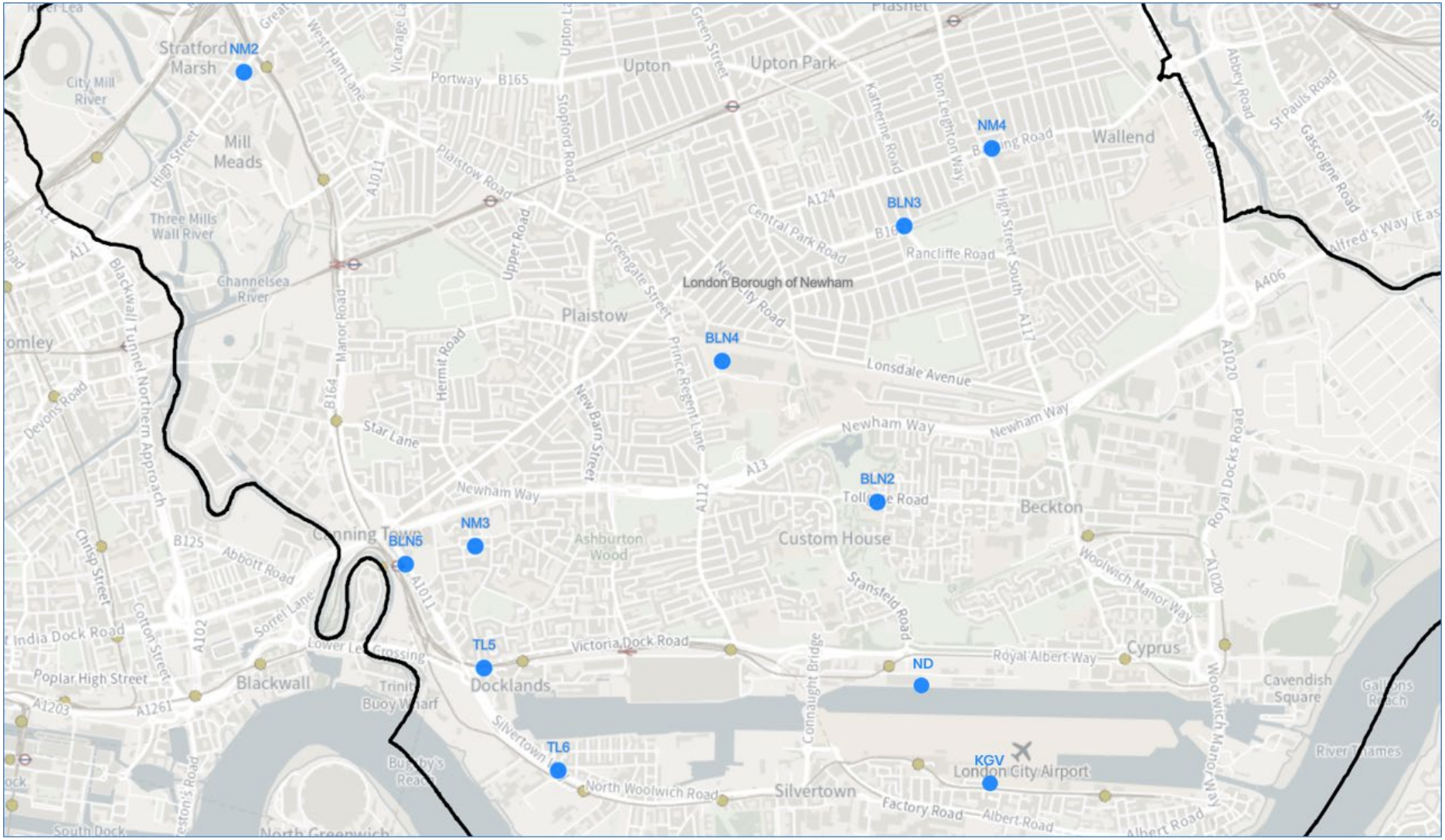


Figure D. **Map of Non-Automatic Monitoring Sites at London City Airport (LCY)**