

Appendix 1: Air Quality Annual Status Summary Report for 2024

Air Quality Monitoring Data

All monitoring data within this Appendix is presented as annual averages and in $\mu\text{g}/\text{m}^3$ (micrograms per cubic meter). Any exceedance of the relevant national standard in the tables below is presented in **bold**. Data over a seven-year period is presented as it is considered sufficient to demonstrate a long-term trend.

Within the legend of the charts:

- UKS – The relevant national (UK) standard
- AQS – The relevant aim from the City of London Corporation Air Quality Strategy 2025-2030

All air quality monitoring sites are reviewed annually. Core monitoring sites are maintained, and other sites are added and removed according to the needs of research projects, planned programmes and local investigations/concerns.

1. Nitrogen Dioxide (NO_2)

The current national standard is an annual average of $40\mu\text{g}/\text{m}^3$.

Continuous Analysers

Table 1: Nitrogen Dioxide Monitoring Data, Continuous Analysers

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
The Aldgate School	Urban Background	32	33	22	23	23	22	20
Beech Street	Roadside	69	62	29	31	41	36	37
Upper Thames Street, Walbrook Wharf*	Roadside	87	73	45	46	52	-	-
Bell Wharf Lane	Roadside	-	-	-	-	-	32	30

* NO_2 monitoring ceased at Walbrook Wharf in 2022 due to forthcoming changes to office accommodation. A new site was set up in 2023 in Bell Wharf Lane

Diffusion Tube Sites

Table 2: Nitrogen Dioxide Monitoring Data, Long-Term Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
St Bartholomew's Hospital Courtyard	Urban Background	50	42	33	31	32	34	28
St. Andrew's Church, Queen Victoria St	Roadside	50	41	28	28	30	28	28
St Dunstan's Church, Fleet Street	Roadside	70	57	31	36	37	38	39
Speed House, Barbican Estate	Urban Background	31	28	19	19	20	19	27
Guinness Trust Estate, Mansell St	Roadside	46	39	33	27	27	26	19

Table 3: Nitrogen Dioxide Monitoring Data, Bank on Safety Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Cannon Street	Kerbside	50	40	38	37	38	38	42
Queen Victoria Street	Kerbside	58	51	35	31	39	28	26
King Street	Kerbside	52	47	30	30	28	29	26
Magistrates Court	Roadside	53	56	36	32	33	29	26
King William Street	Kerbside	61	61	42	35	36	33	30
Lombard Street	Kerbside	56	45	30	28	28	27	25
Cornhill-Royal Exchange	Kerbside	62	41	26	27	29	26	26
Threadneedle Street	Kerbside	62	42	31	28	29	26	23
31 Old Broad Street	Kerbside	53	45	28	26	27	25	26
Wormwood Street	Kerbside	57	49	32	32	36	32	29
3 London Wall	Kerbside	65	53	33	38	37	38	31
81 London Wall	Kerbside	62	53	36	41	40	38	32
55 Moorgate	Roadside	66	52	36	36	34	34	32
85 Gresham Street	Kerbside	52	46	30	30	27	29	29
Lothbury	Roadside	45	39	24	24	23	26	22
Princes Street	Kerbside	69	49	36	34	34	33	31
Gracechurch Street /Leadenhall	Kerbside	62	51	33	36	42	34	41

Table 4: Nitrogen Dioxide Monitoring Data, Transport Strategy Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Byward Street	Roadside	67	51	35	40	38	37	35
Seething Lane / Byward Street	Roadside	71	57	44	46	45	46	40
Crosswall	Kerbside	50	44	26	27	30	27	29
Minories	Kerbside	62	49	36	37	40	38	38
Stoney Lane	Roadside	40	39	25	25	27	24	26
Heneage Lane	Urban Background	42	33	27	25	26	24	24
St Mary Axe	Kerbside	50	42	26	25	24	25	24
Blackfriars Bridge	Kerbside	62	56	41	38	37	38	36
Victoria Embankment	Kerbside	68	57	38	38	40	38	36
Fleet Street	Kerbside	62	47	36	30	35	33	33
Ludgate Hill	Kerbside	61	50	31	31	34	31	32
Museum of London	Kerbside	66	55	36	35	37	38	36
London Wall, opposite Noble Street	Kerbside	65	52	39	36	37	32	31
The Fable	Kerbside	58	51	38	30	36	33	31
Old Bailey (north end)	Kerbside	73	56	36	43	44	42	42
The Gherkin	Roadside	-	-	-	27	26	22	25

Table 5: Nitrogen Dioxide Monitoring Data, School and Nursery Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Hatching Dragons Nursery	Urban Background	-	-	22	22	23	23	22
Bright Horizons Nursery	Urban Background	-	-	24	21	21	20	20
St Pauls School, New Change	Roadside	-	42	31	28	30	32	33
St Pauls Cathedral, Festival Garden	Urban Background	41	39	24	24	26	26	28
CoL Boys School, access ramp	Urban Background	-	-	21	23	24	21	21
Charterhouse Square School	Roadside	-	-	-	25	25	23	22
West Smithfield / Giltspur Street	Roadside	43	38	28	27	29	28	27

Table 6: Nitrogen Dioxide Monitoring Data, City West Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Upper Thames Street, Walbrook Wharf	Roadside	77	64	41	44	50	49	46
Southwark Bridge	Urban Background	41	35	29	31	34	31	29
Liverpool Street	Urban Background	71	52	35	35	31	35	32
Fenchurch Avenue	Urban Background	36	35	26	25	24	21	23
Whitecross Street / Beech Street	Roadside	42	40	23	25	26	26	26
London Wall / Brewers Hall Gardens	Kerbside	49	42	29	36	32	33	29
Goodmans Yard	Roadside	-	44	25	28	28	28	28
London Wall / Moorgate	Kerbside	-	52	34	37	36	34	32
Wood Street	Roadside	-	29	23	24	21	22	20
Finsbury Circus	Roadside	-	-	-	25	25	23	23
Christchurch Greyfriars Church Garden	Urban Background	-	-	-	27	27	27	26
Tower Millennium Pier	Urban Background	-	-	-	-	-	-	26
Bishopsgate	Kerbside	-	-	-	-	-	-	25
Middlesex Street	Kerbside	-	-	-	-	-	-	24

Table 7: Nitrogen Dioxide Monitoring Data, City East Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Fetter Lane	Roadside	56	44	29	30	31	28	31
Beech Street / Aldersgate Street	Roadside	62	50	33	30	37	37	35
Aldersgate Street South	Kerbside	57	47	41	35	43	35	34
Fann Street	Kerbside	41	36	23	23	25	23	21
Aldersgate Street North	Kerbside	-	47	37	39	44	37	37
Goswell Road	Kerbside	-	-	31	36	35	34	34
Citigen	Roadside	-	-	30	30	30	32	32
Cheapside Sunken Garden	Roadside	-	-	-	-	27	29	-
Temple Church Courtyard	Urban Background	-	-	-	-	21	23	21
Holborn Circus	Kerbside	-	-	-	-	-	-	34

Table 8: Nitrogen Dioxide Monitoring Data, St Martin's Le Grand Regeneration Project Diffusion Tube Sites

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Wood Street	Kerbside	-	-	-	-	-	24	25
Cheapside East	Kerbside	-	-	-	-	-	33	33
Cheapside West	Kerbside	-	-	-	-	-	34	31
Cheapside / Newgate Street	Kerbside	-	-	-	-	-	38	37
Newgate Street East	Kerbside	-	-	-	-	-	40	36
Newgate Street West	Kerbside	-	-	-	-	-	34	32
King Edward Street	Kerbside	-	-	-	-	-	37	33
Postman's Park West	Roadside	-	-	-	-	-	33	29
Little Britain	Kerbside	-	-	-	-	-	34	31
Montague Street	Kerbside	-	-	-	-	-	40	35
Postman's Park East	Kerbside	-	-	-	-	-	40	38
St Martin's Le Grand North	Kerbside	-	-	-	-	-	42	39
St Martin's Le Grand South	Kerbside	-	-	-	-	-	39	39
St Martin's Le Grand / Cheapside	Kerbside	-	-	-	-	-	31	37

2. PM₁₀ Data

The national standard is an annual average of 40µg/m³.

Table 9: PM₁₀ Monitoring Data

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
The Aldgate School	Urban Background	21	19	16	16	17	15	16
Beech Street	Roadside	24	22	18	15	17	15	15
Upper Thames Street*	Roadside	32	27	24	19	-	-	-
Bell Wharf Lane	Roadside	-	-	-	-	20	17	16

* PM₁₀ monitoring ceased at Upper Thames Street in 2021 due to a change in access to the electricity supply. A new site was set up in 2022 in Bell Wharf Lane

3. PM_{2.5} Data

The national standard is an annual average of 10µg/m³, to be met by 2040.

Table 10: PM_{2.5} Monitoring Data

Site	Site Type	2018	2019	2020	2021	2022	2023	2024
Farringdon Street	Roadside	16	14	12	12	12	10	9
The Aldgate School	Urban Background	12	12	12	11	13	9	9

Bar charts

Figure 1: Nitrogen Dioxide Monitoring Data, Continuous Monitoring Sites

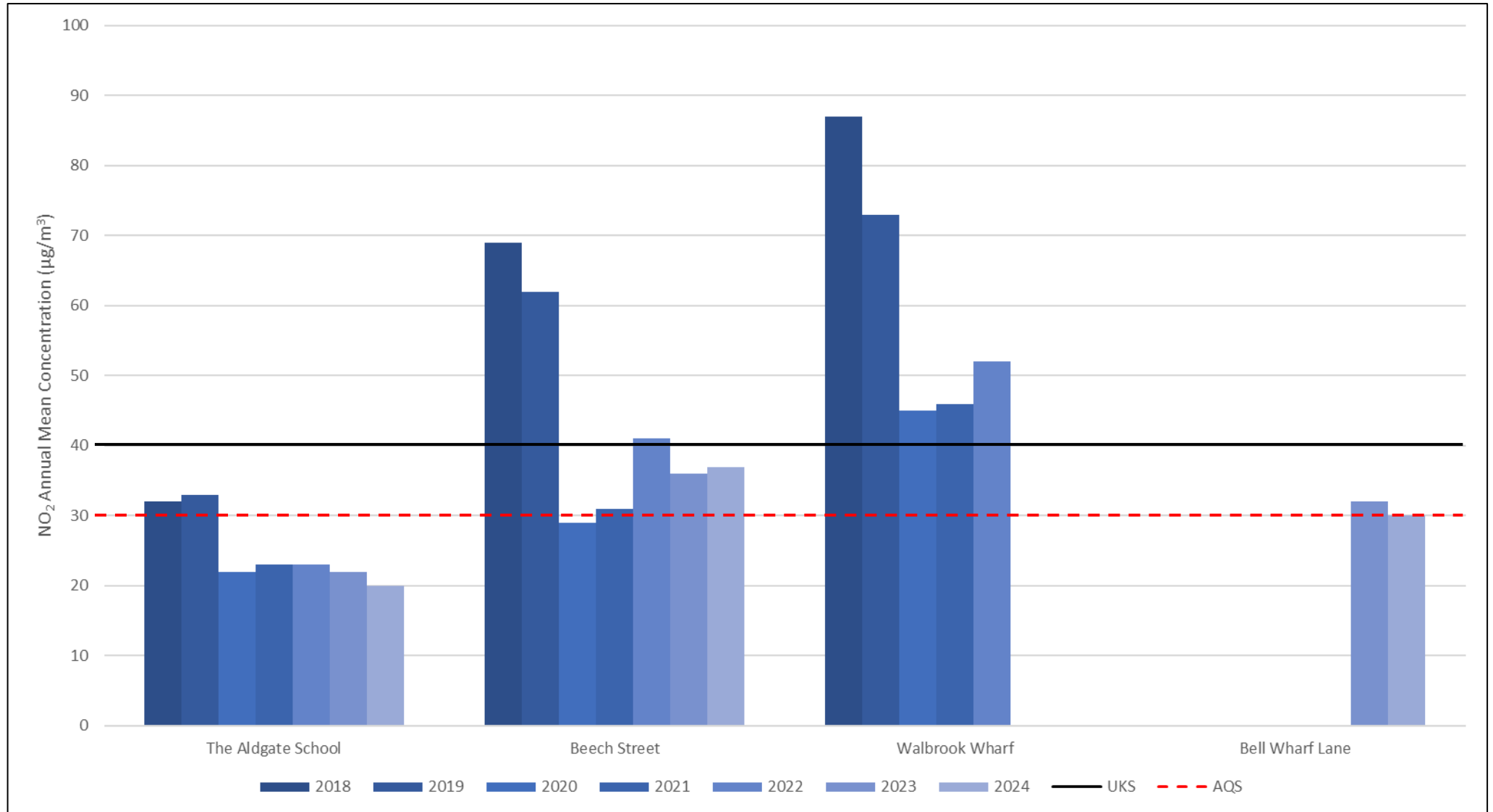


Figure 2: Nitrogen Dioxide Monitoring Data, Long-Term Diffusion Tube Sites

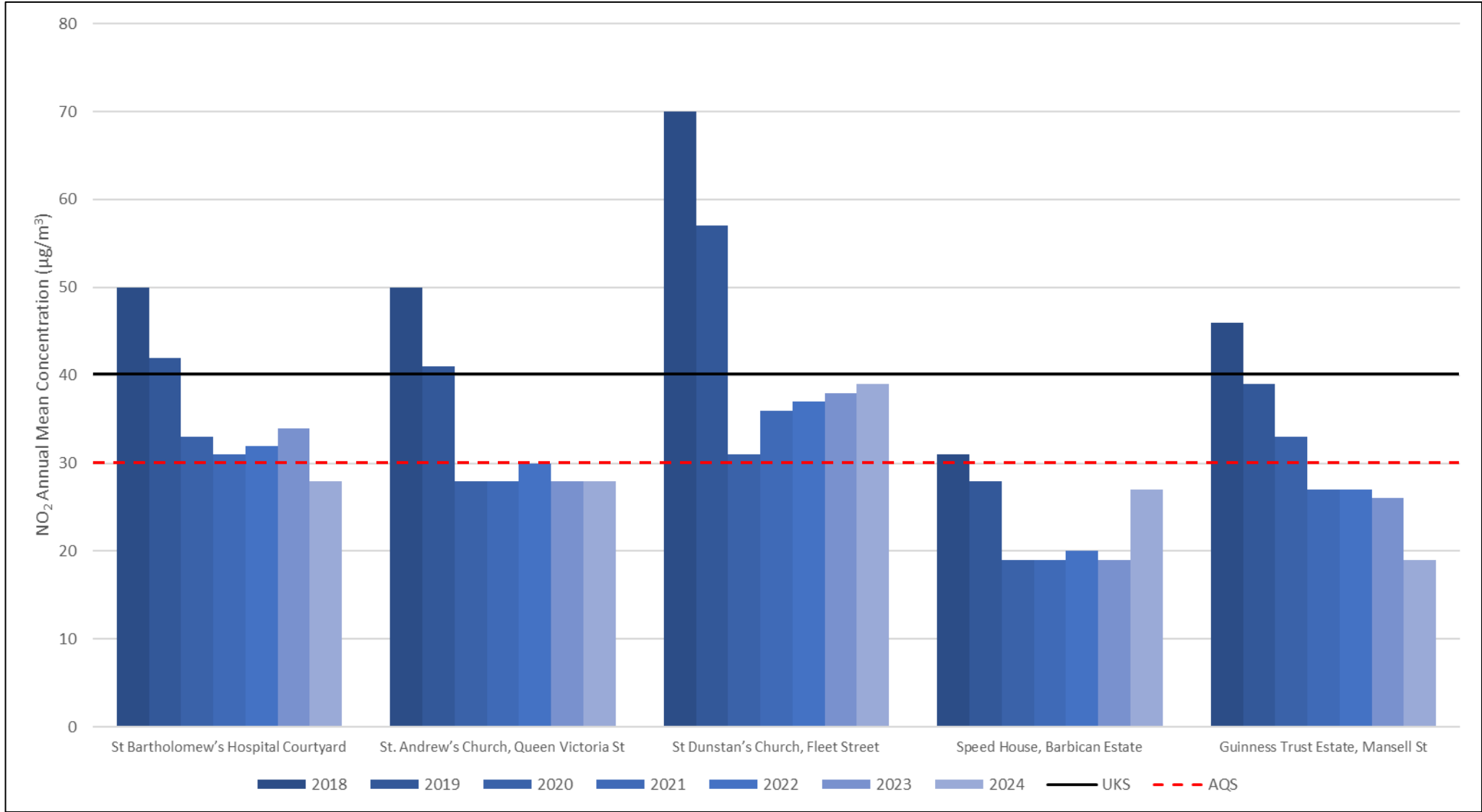


Figure 3: Nitrogen Dioxide Monitoring Data, Bank on Safety Diffusion Tube Sites

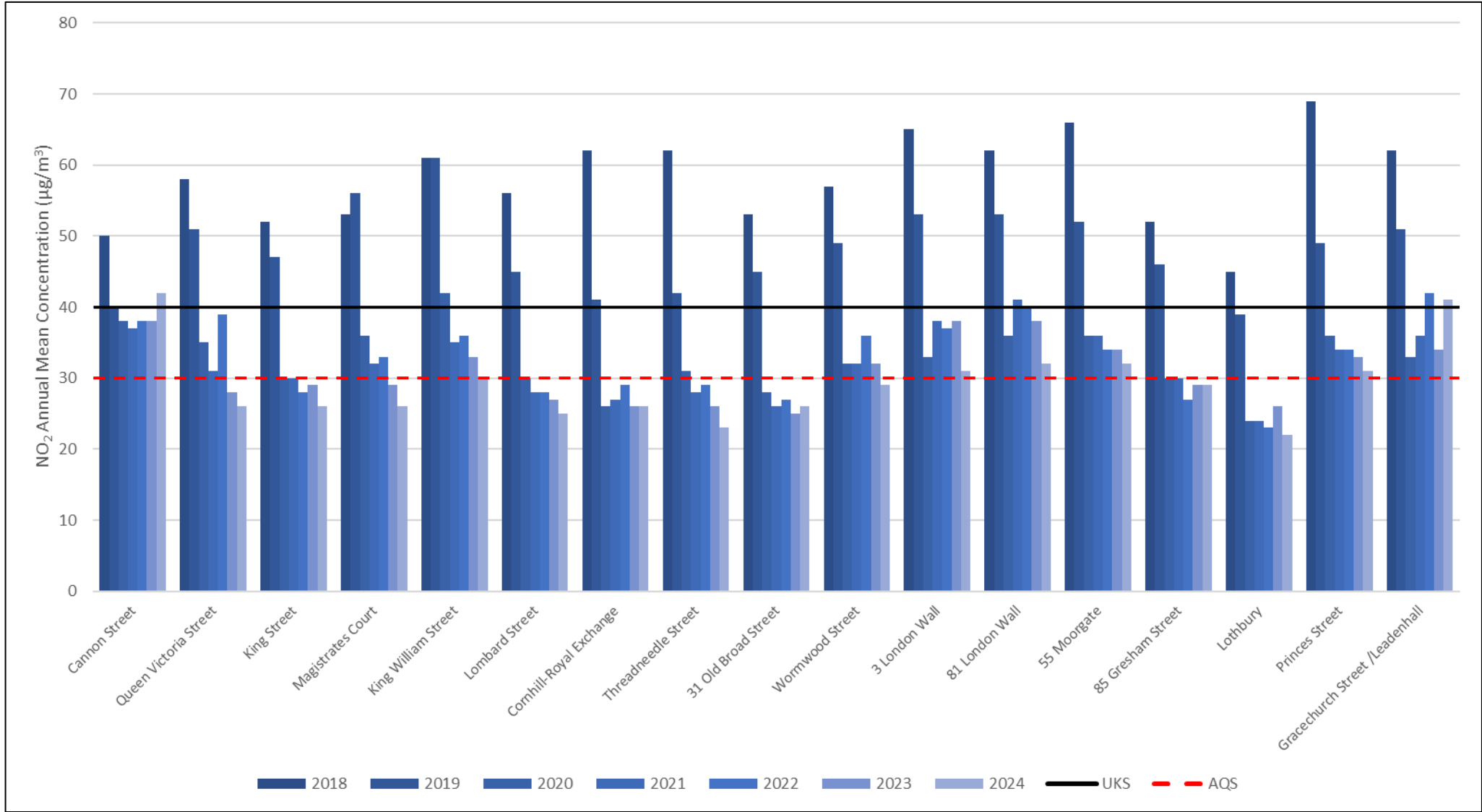


Figure 4: Nitrogen Dioxide Monitoring Data, Transport Strategy Diffusion Tube Sites

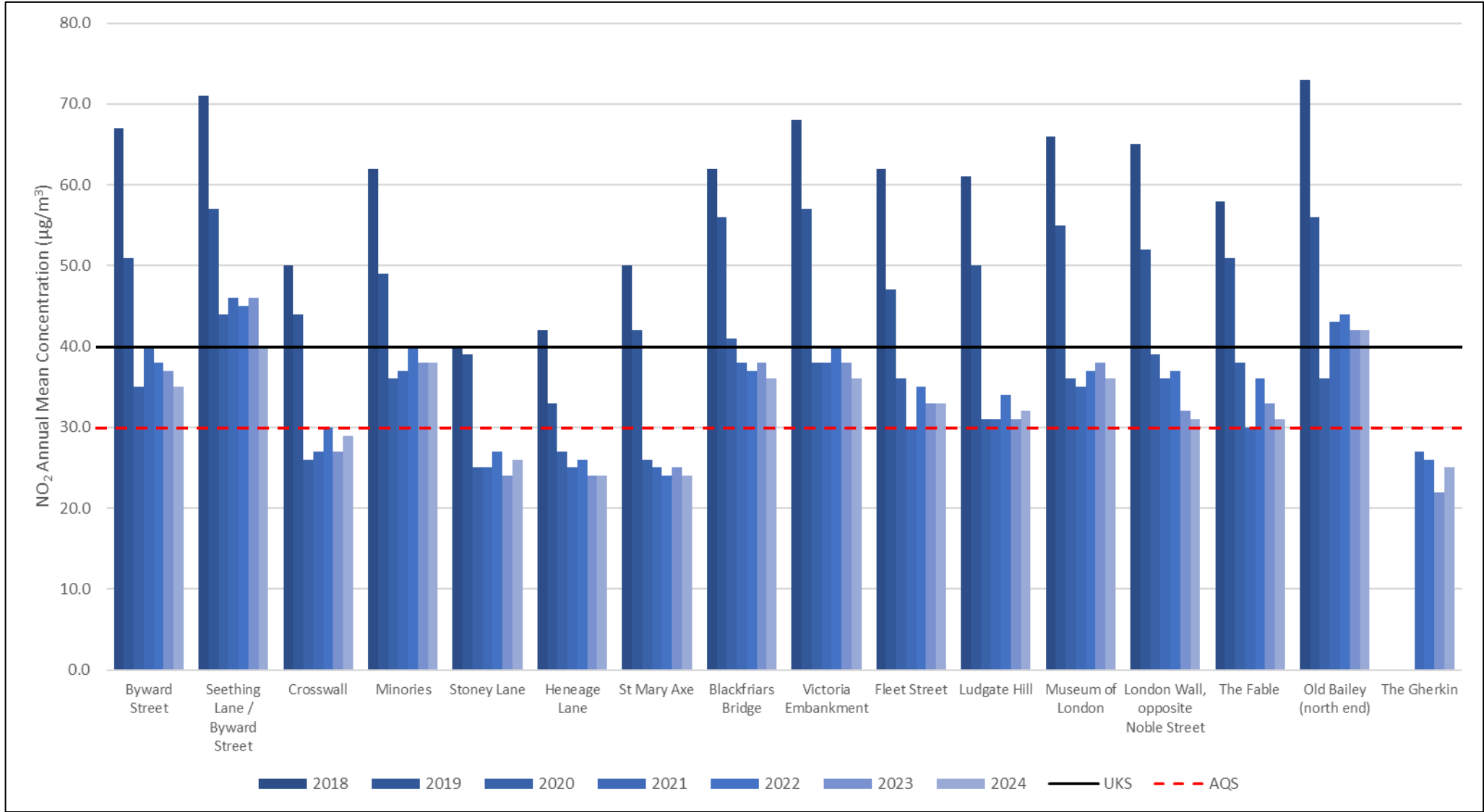


Figure 5: Nitrogen Dioxide Monitoring Data, School and Nursery Diffusion Tube Sites

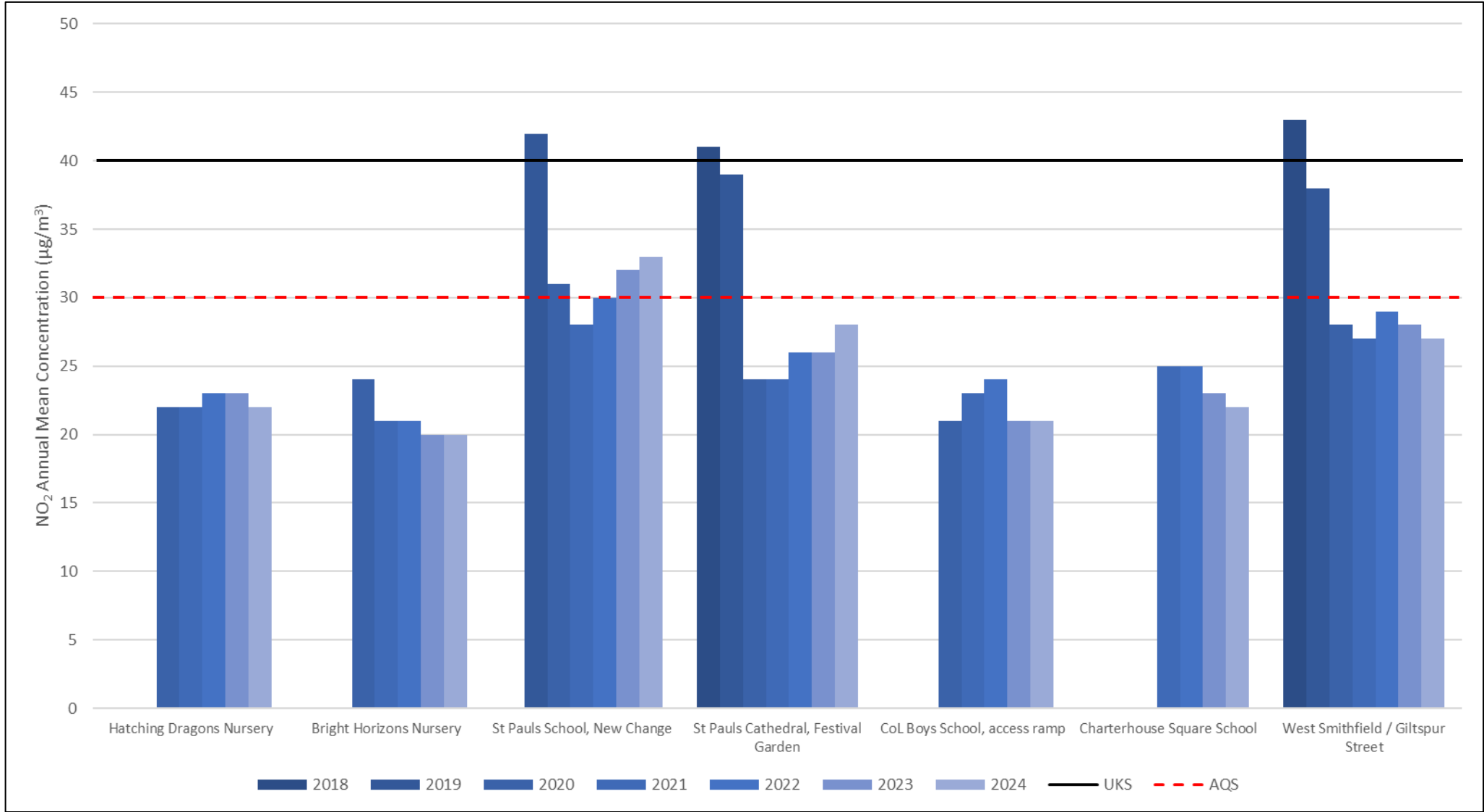


Figure 6: Nitrogen Dioxide Monitoring Data, City West Diffusion Tube Sites

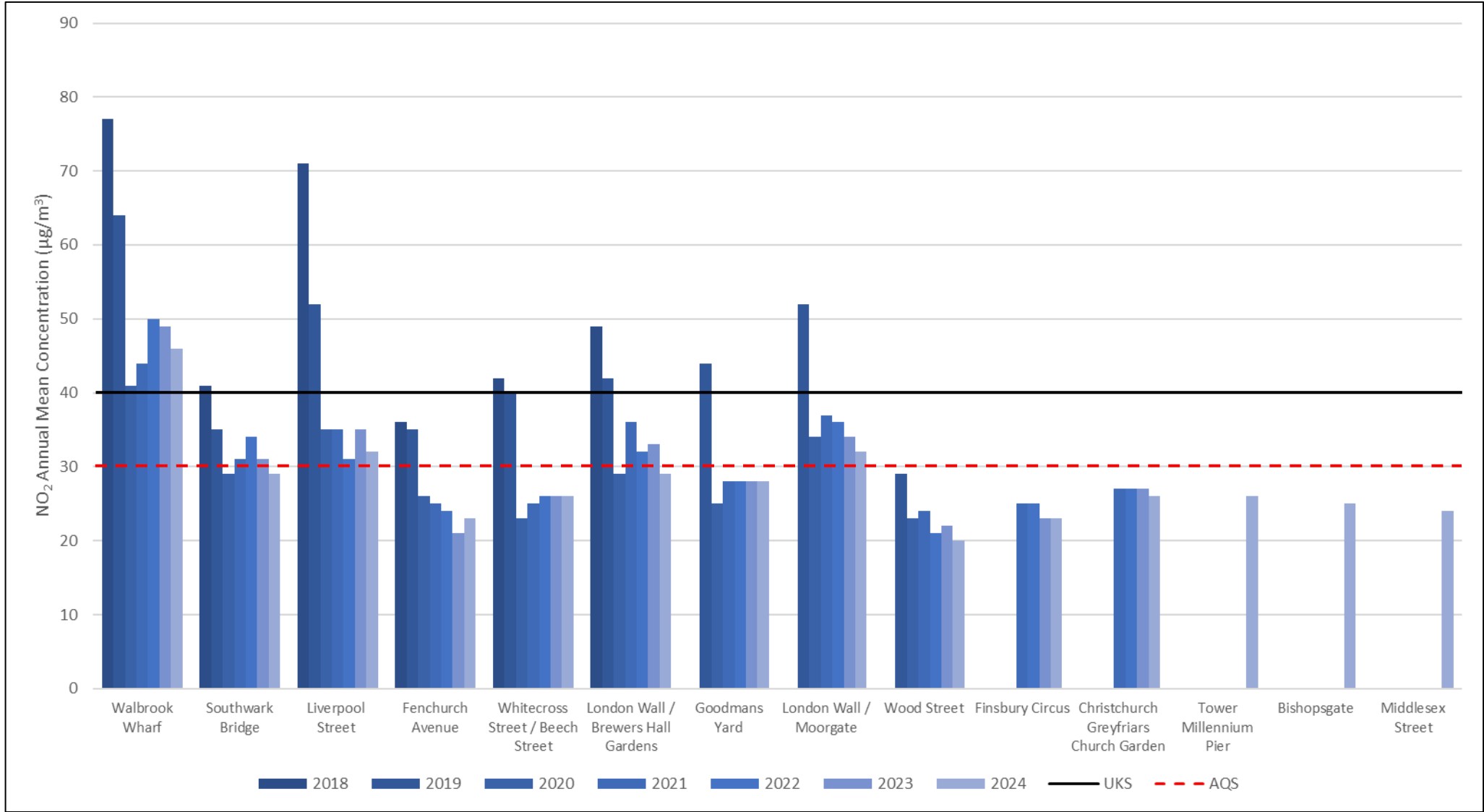


Figure 7: Nitrogen Dioxide Monitoring Data, City East Diffusion Tube Sites

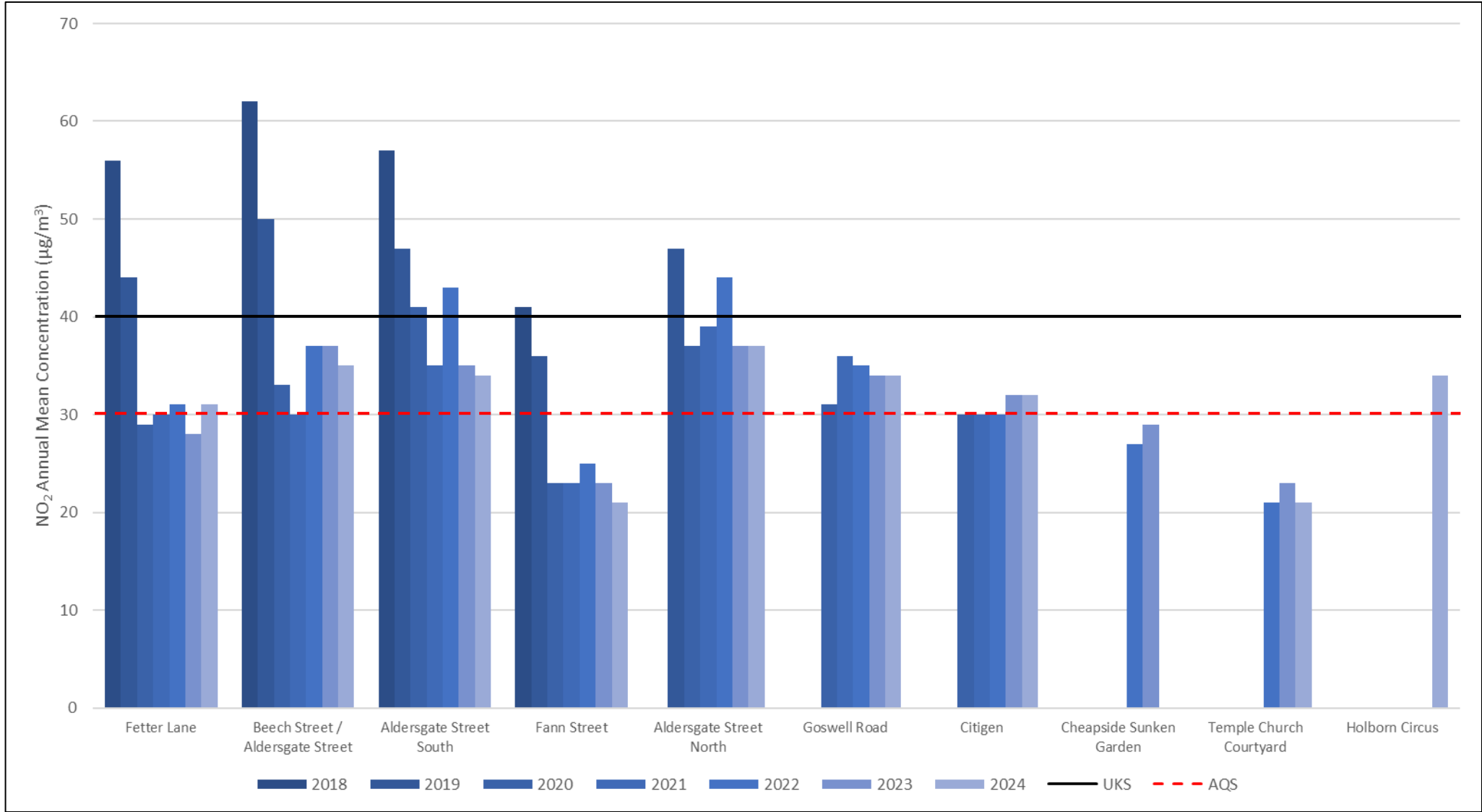


Figure 8: Nitrogen Dioxide Monitoring Data, St Martin’s Le Grand Regeneration Project Diffusion Tube Sites

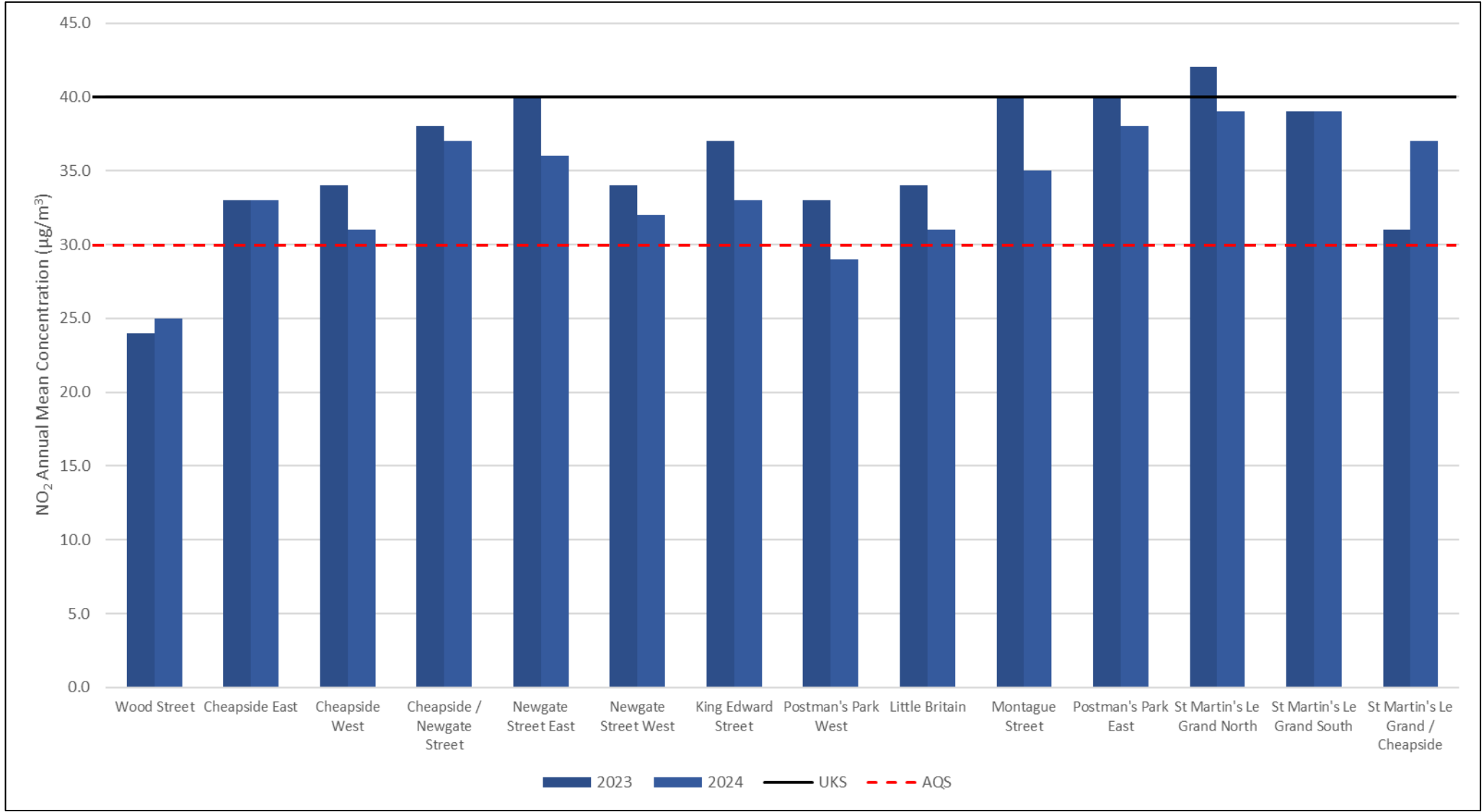


Figure 9: PM₁₀ Monitoring Data

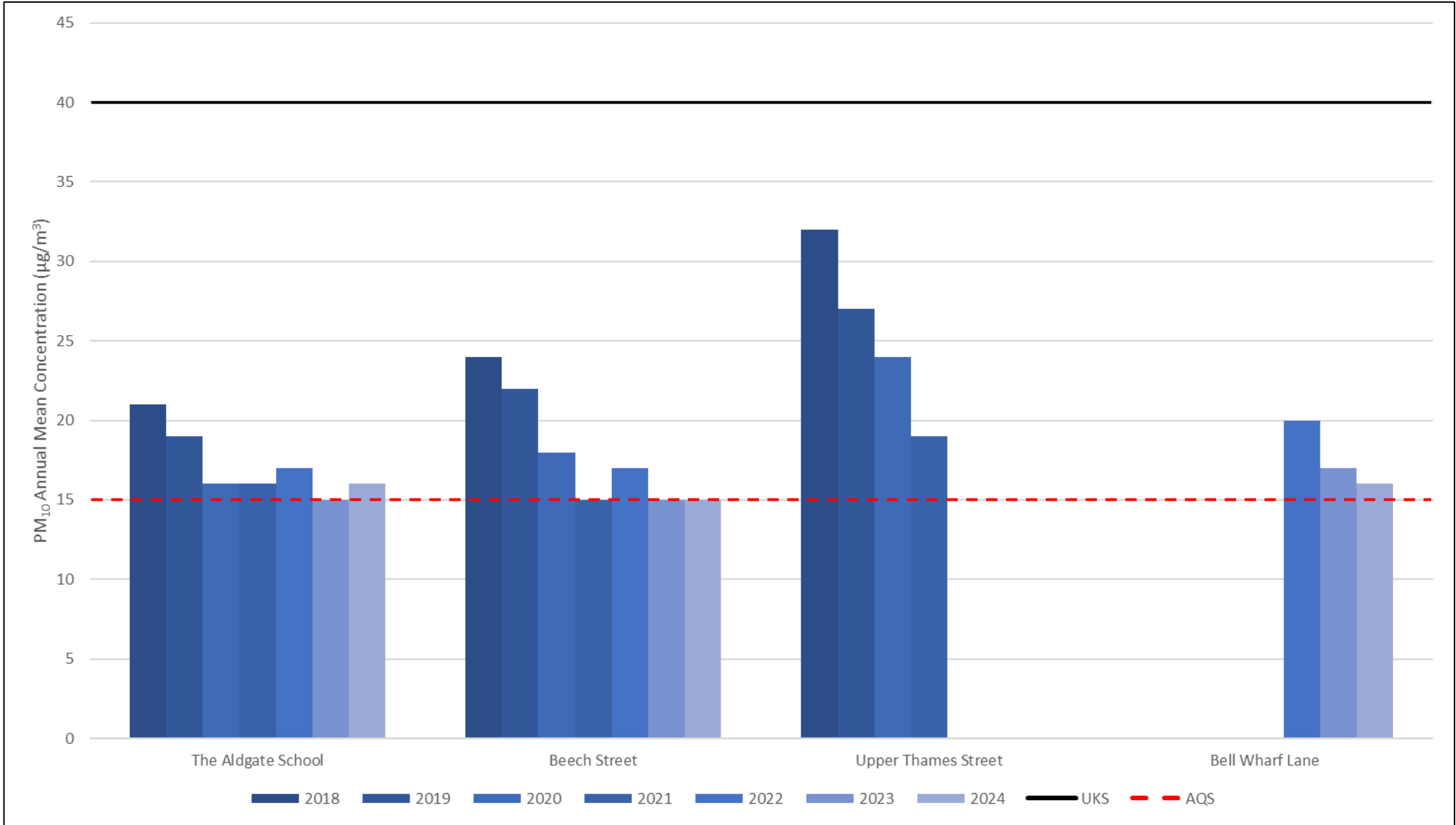
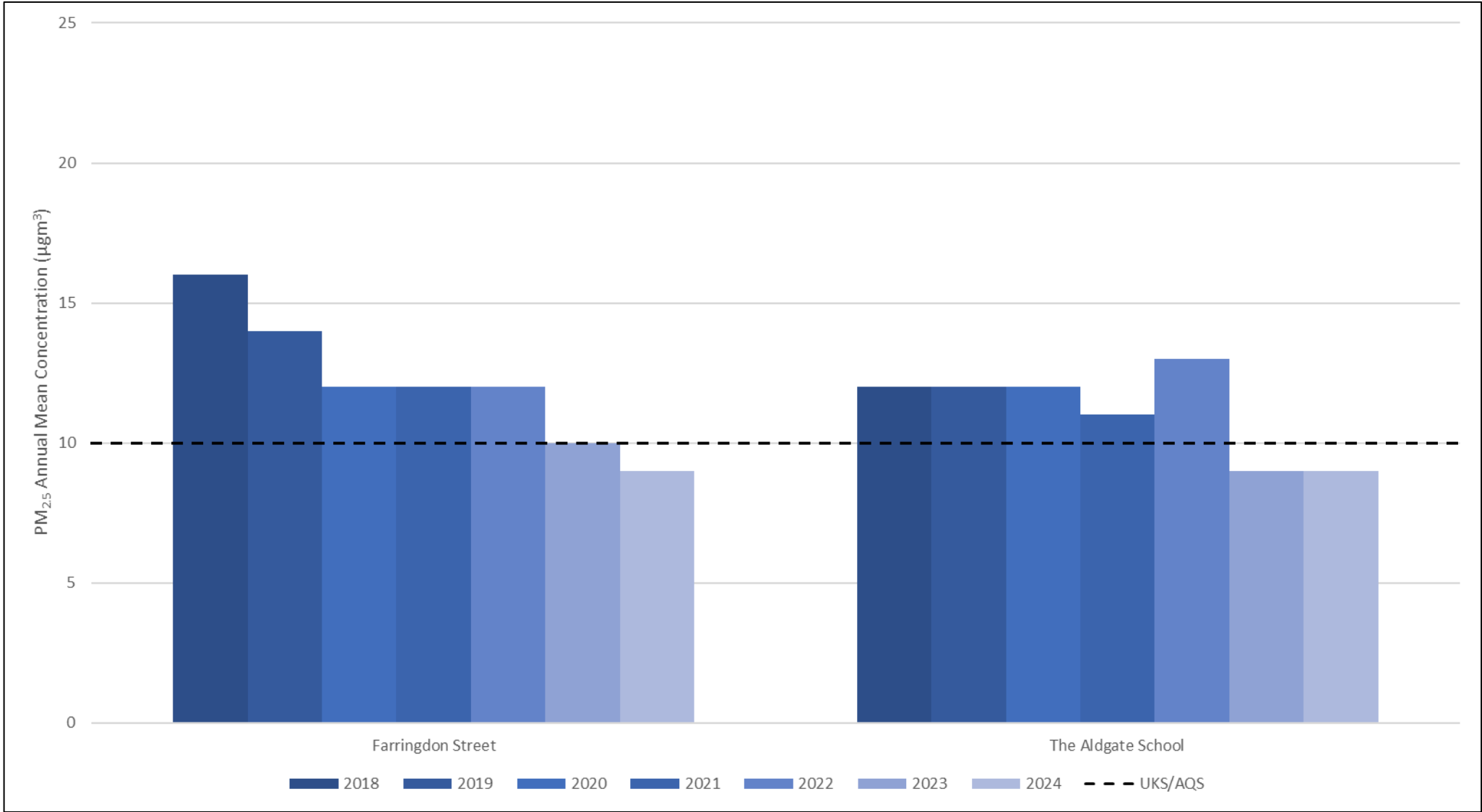


Figure 10: PM_{2.5} Monitoring Data



Note – The national standard, to be achieved by 2040, and the Air Quality Strategy aim are the same for PM_{2.5}.

The map below presents the locations where air quality monitoring was completed in 2024.

