# Appendix 1: Air Quality Annual Status Summary Report for 2025

## Air Quality Monitoring Data

All monitoring data within this Appendix is presented as annual averages and in µg/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 40µg/m$^3$.
The aim of the City Corporation Air Quality Strategy is for over 90% of the Square Mile to achieve an annual average of 30µg/m$^3$ by 2030

### Continuous Analysers

*Table 1: Nitrogen Dioxide Monitoring Data, Continuous Analysers*

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| The Aldgate School | Urban Background | 33 | 22 | 23 | 23 | 22 | 20 | 22 |
| Beech Street | Roadside | **62** | 29 | 31 | **41** | 36 | 37 | 33 |
| Upper Thames Street, Walbrook Wharf* | Roadside | **73** | **45** | **46** | **52** | - | - | - |
| Bell Wharf Lane | Roadside | - | - | - | - | 32 | 30 | 28 |
| Farringdon Street** | Roadside | - | - | - | - | - | - | 34 |

* $NO_2$ monitoring ceased at Walbrook Wharf in 2022 due to changes to office accomodation. A new site was set up in 2023 in Bell Wharf Lane
** $NO_2$ monitoring began at Farringdon Street in 2025 through an agreement with the Environment Agency

**Diffusion Tube Sites**

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| St Bartholomew's Hospital Courtyard | Urban Background | **42** | 33 | 31 | 32 | 34 | 28 | 29 |
| St. Andrew's Church, Queen Victoria St | Roadside | **41** | 28 | 28 | 30 | 28 | 28 | 27 |
| St Dunstan's Church, Fleet Street | Roadside | **57** | 31 | 36 | 37 | 38 | 39 | 34 |
| Guinness Trust Estate, Mansell Street | Roadside | 39 | 33 | 27 | 27 | 26 | 27 | 26 |
| Speed House, Barbican Estate | Urban Background | 28 | 19 | 19 | 20 | 19 | 19 | 18 |

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Cannon Street | Kerbside | **40** | 38 | 37 | 38 | 38 | **42** | **42** |
| Queen Victoria Street | Kerbside | **51** | 35 | 31 | 39 | 28 | 26 | 27 |
| King Street | Kerbside | **47** | 30 | 30 | 28 | 29 | 26 | 26 |
| Magistrates Court | Roadside | **56** | 36 | 32 | 33 | 29 | 26 | 26 |
| King William Street | Kerbside | **61** | **42** | 35 | 36 | 33 | 30 | 30 |
| Lombard Street | Kerbside | **45** | 30 | 28 | 28 | 27 | 25 | 23 |
| Cornhill-Royal Exchange | Kerbside | **41** | 26 | 27 | 29 | 26 | 26 | 26 |
| Threadneedle Street | Kerbside | **42** | 31 | 28 | 29 | 26 | 23 | 26 |
| 31 Old Broad Street | Kerbside | **45** | 28 | 26 | 27 | 25 | 26 | 28 |
| Wormwood Street | Kerbside | **49** | 32 | 32 | 36 | 32 | 29 | 32 |
| 3 London Wall | Kerbside | **53** | 33 | 38 | 37 | 38 | 31 | 28 |
| 81 London Wall | Kerbside | **53** | 36 | **41** | **40** | 38 | 32 | 33 |
| 55 Moorgate | Roadside | **52** | 36 | 36 | 34 | 34 | 32 | 30 |
| 85 Gresham Street | Kerbside | **46** | 30 | 30 | 27 | 29 | 29 | 26 |
| Lothbury | Roadside | 39 | 24 | 24 | 23 | 26 | 22 | 23 |
| Princes Street | Kerbside | **49** | 36 | 34 | 34 | 33 | 31 | 27 |
| Gracechurch Street /Leadenhall | Kerbside | **51** | 33 | 36 | **42** | 34 | **41** | 31 |

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Byward Street | Roadside | **51** | 35 | 40 | 38 | 37 | 35 | 36 |
| Seething Lane / Byward Street | Roadside | **57** | **44** | **46** | **45** | **46** | 40 | 39 |
| Crosswall | Kerbside | **44** | 26 | 27 | 30 | 27 | 29 | 26 |
| Minories | Kerbside | **49** | 36 | 37 | 40 | 38 | 38 | 34 |
| Stoney Lane | Roadside | 39 | 25 | 25 | 27 | 24 | 26 | 26 |
| Heneage Lane | Urban Background | 33 | 27 | 25 | 26 | 24 | 24 | 23 |
| St Mary Axe | Kerbside | **42** | 26 | 25 | 24 | 25 | 24 | 23 |
| Blackfriars Bridge | Kerbside | **56** | **41** | 38 | 37 | 38 | 36 | 35 |
| Victoria Embankment | Kerbside | **57** | 38 | 38 | 40 | 38 | 36 | 35 |
| Fleet Street | Kerbside | **47** | 36 | 30 | 35 | 33 | 33 | 28 |
| Ludgate Hill | Kerbside | **50** | 31 | 31 | 34 | 31 | 32 | 30 |
| Museum of London | Kerbside | **55** | 36 | 35 | 37 | 38 | 36 | 33 |
| London Wall, opposite Noble Street | Kerbside | **52** | 39 | 36 | 37 | 32 | 31 | 25 |
| The Fable | Kerbside | **51** | 38 | 30 | 36 | 33 | 31 | 30 |
| Old Bailey (north end) | Kerbside | **56** | 36 | **43** | **44** | **42** | **42** | 37 |
| The Gherkin | Roadside | - | - | 27 | 26 | 22 | 25 | 25 |

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Hatching Dragons Nursery | Urban Background | - | 22 | 22 | 23 | 23 | 22 | 20 |
| Bright Horizons Nursery | Urban Background | - | 24 | 21 | 21 | 20 | 20 | 19 |
| St Pauls School, New Change | Roadside | **42** | 31 | 28 | 30 | 32 | 33 | 28 |
| St Pauls Cathedral, Festival Garden | Urban Background | 39 | 24 | 24 | 26 | 26 | 28 | 24 |
| CoL Boys School, access ramp | Urban Background | - | 21 | 23 | 24 | 21 | 21 | 21 |
| Charterhouse Square School | Roadside | - | - | 25 | 25 | 23 | 22 | 24 |
| West Smithfield / Giltspur Street | Roadside | 38 | 28 | 27 | 29 | 28 | 27 | 26 |

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Upper Thames Street, Walbrook Wharf | Roadside | **64** | **41** | **44** | **50** | **49** | **46** | **45** |
| Southwark Bridge | Urban Background | 35 | 29 | 31 | 34 | 31 | 29 | 31 |
| Liverpool Street | Urban Background | **52** | 35 | 35 | 31 | 35 | 32 | 33 |
| Fenchurch Avenue | Urban Background | 35 | 26 | 25 | 24 | 21 | 23 | 22 |
| Whitecross Street / Beech Street | Roadside | 40 | 23 | 25 | 26 | 26 | 26 | 26 |
| Goodmans Yard | Roadside | **44** | 25 | 28 | 28 | 28 | 28 | 25 |
| London Wall / Moorgate | Kerbside | **52** | 34 | 37 | 36 | 34 | 32 | 31 |
| Wood Street | Roadside | 29 | 23 | 24 | 21 | 22 | 20 | 21 |
| Finsbury Circus | Roadside | - | - | 25 | 25 | 23 | 23 | 22 |
| Christchurch Greyfriars Church Garden | Urban Background | - | - | 27 | 27 | 27 | 26 | 24 |
| Tower Millennium Pier | Urban Background | - | - | - | - | - | 26 | 29 |
| Bishopsgate | Kerbside | - | - | - | - | - | 25 | 27 |
| Middlesex Street | Kerbside | - | - | - | - | - | 24 | 24 |
| Lower Thames Street, Loval Lane | Roadside | - | - | - | - | - | - | 31 |
| Idol Lane | Urban Background | - | - | - | - | - | - | 23 |
| Camomile Street | Kerbside | - | - | - | - | - | - | 37 |

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Fetter Lane | Roadside | **44** | 29 | 30 | 31 | 28 | 31 | 30 |
| Beech Street / Aldersgate Street | Roadside | **50** | 33 | 30 | 37 | 37 | 35 | 32 |
| Aldersgate Street South | Kerbside | **47** | **41** | 35 | **43** | 35 | 34 | 33 |
| Fann Street | Kerbside | 36 | 23 | 23 | 25 | 23 | 21 | 22 |
| Aldersgate Street North | Kerbside | **47** | 37 | 39 | **44** | 37 | 37 | 29 |
| Goswell Road | Kerbside | - | 31 | 36 | 35 | 34 | 34 | 30 |
| Citigen | Roadside | - | 30 | 30 | 30 | 32 | 32 | 26 |
| Cheapside Sunken Garden | Roadside | - | - | - | 27 | 29 | - | 27 |
| Temple Church Courtyard | Urban Background | - | - | - | 21 | 23 | 21 | 22 |
| Holborn Circus | Kerbside | - | - | - | - | - | 34 | 33 |
| Upper Thames Street, High Timber St | Kerbside | - | - | - | - | - | - | 36 |
| St Dunstan in the West Burial Ground | Urban Background | - | - | - | - | - | - | 21 |

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

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Cheapside East | Kerbside | - | - | - | - | 33 | 33 | 29 |
| Newgate Street East | Kerbside | - | - | - | - | 40 | 36 | 34 |
| Postman's Park West | Roadside | - | - | - | - | 33 | 29 | 25 |
| St Martin's Le Grand North | Kerbside | - | - | - | - | **42** | 39 | 37 |

## 2. $PM_{10}$ Data

The national standard is an annual average of 40µg/$m^3$.
The aim of the City Corporation Air Quality Strategy is to support national and regional action that leads to the Square Mile meeting an annual average of 15µg/m3 by 2030

*Table 9: $PM_{10}$ Monitoring Data*

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| The Aldgate School | Urban Background | 19 | 16 | 16 | 17 | 15 | 16 | 18 |
| Beech Street | Roadside | 22 | 18 | 15 | 17 | 15 | 15 | 18 |
| Upper Thames Street* | Roadside | 27 | 24 | 19 | - | - | - | - |
| Bell Wharf Lane | Roadside | - | - | - | 20 | 17 | 16 | 19 |

* $PM_{10}$ 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/$m^3$, to be met by 2040.
The aim of the City Corporation Air Quality Strategy is to support national and regional action that leads to the Square Mile meeting an annual average of 10µg/m3 by 2030

*Table 10: $PM_{2.5}$ Monitoring Data*

| Site | Site Type | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| Farringdon Street | Roadside | **14** | **12** | **12** | **12** | 10 | 9 | 10 |
| The Aldgate School | Urban Background | **12** | **12** | **11** | **13** | 9 | 9 | 10 |

## Bar charts

*Figure 1: Nitrogen Dioxide Monitoring Data, Continuous Monitoring Sites*

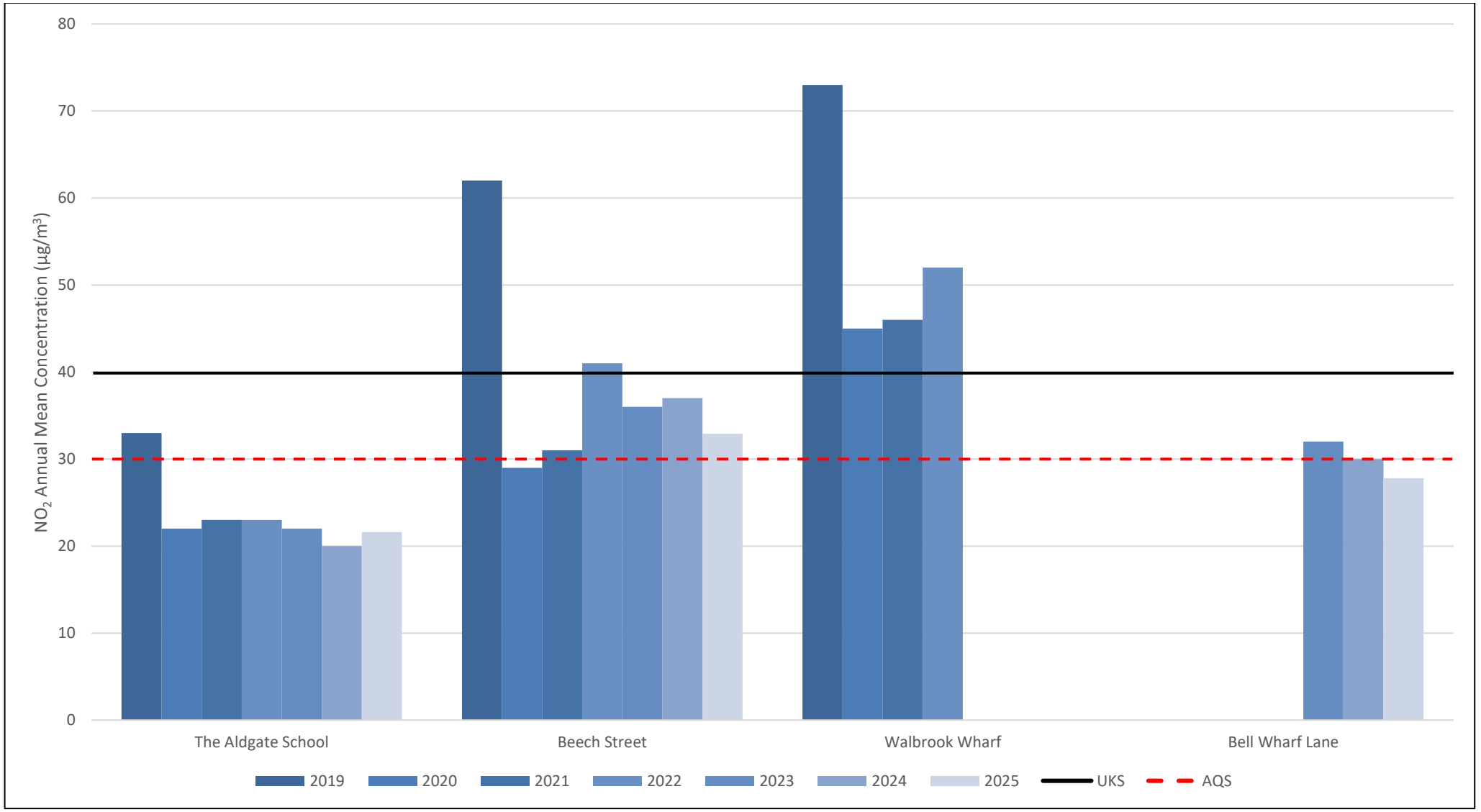


*Figure 2: Nitrogen Dioxide Monitoring Data, Long-Term Diffusion Tube Sites*

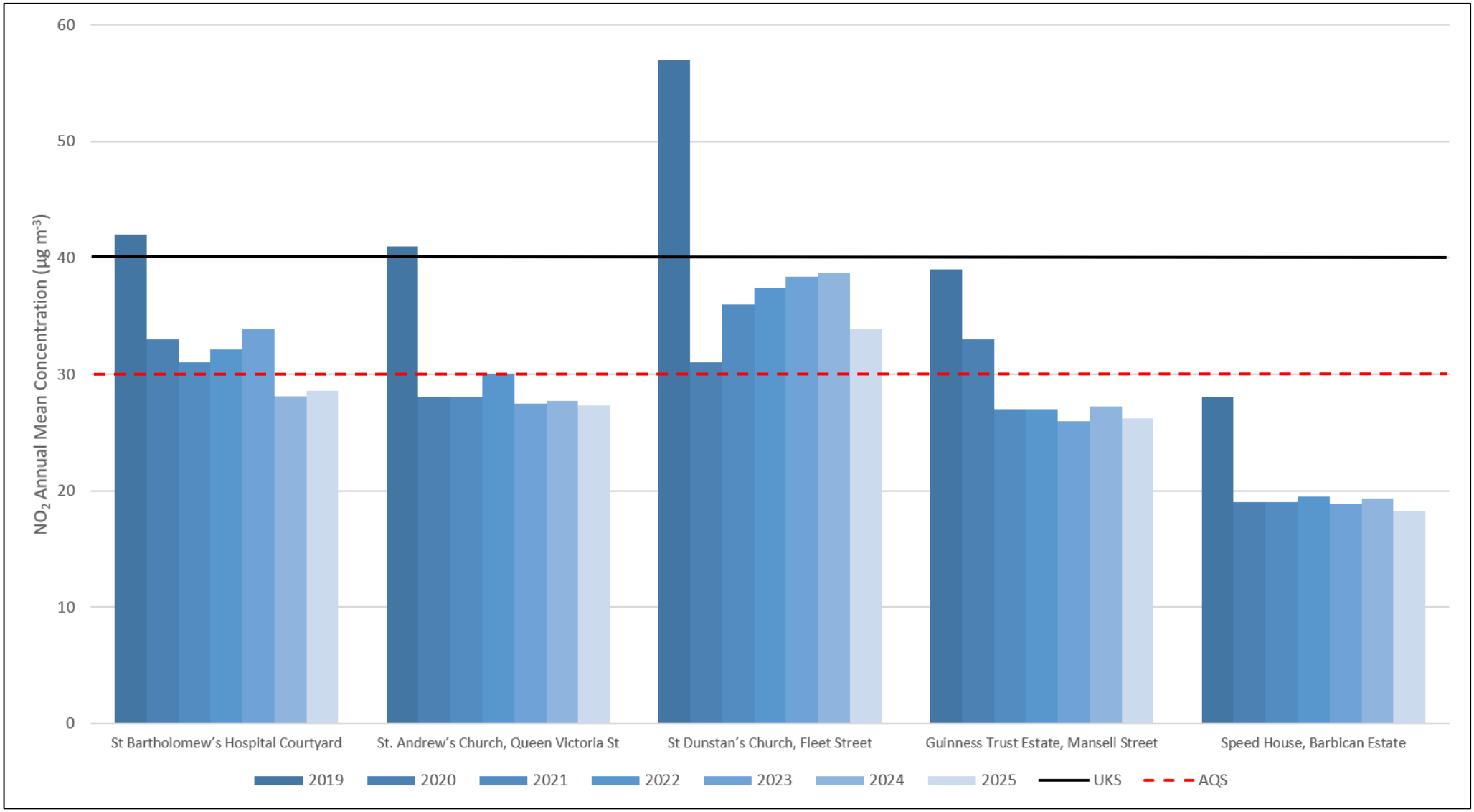


*Figure 3: Nitrogen Dioxide Monitoring Data, Bank on Safety Diffusion Tube Sites*

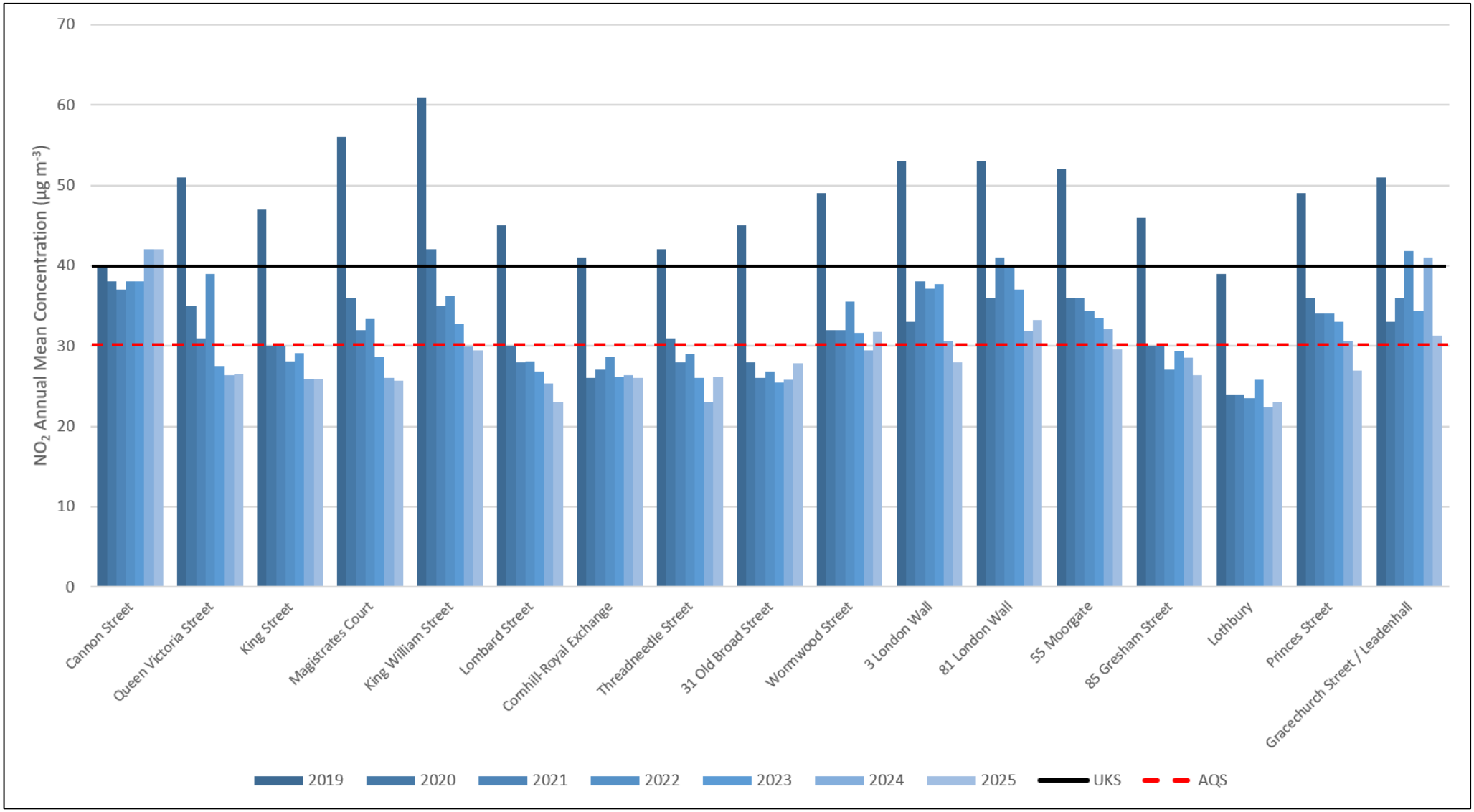


*Figure 4: Nitrogen Dioxide Monitoring Data, Transport Strategy Diffusion Tube Sites*

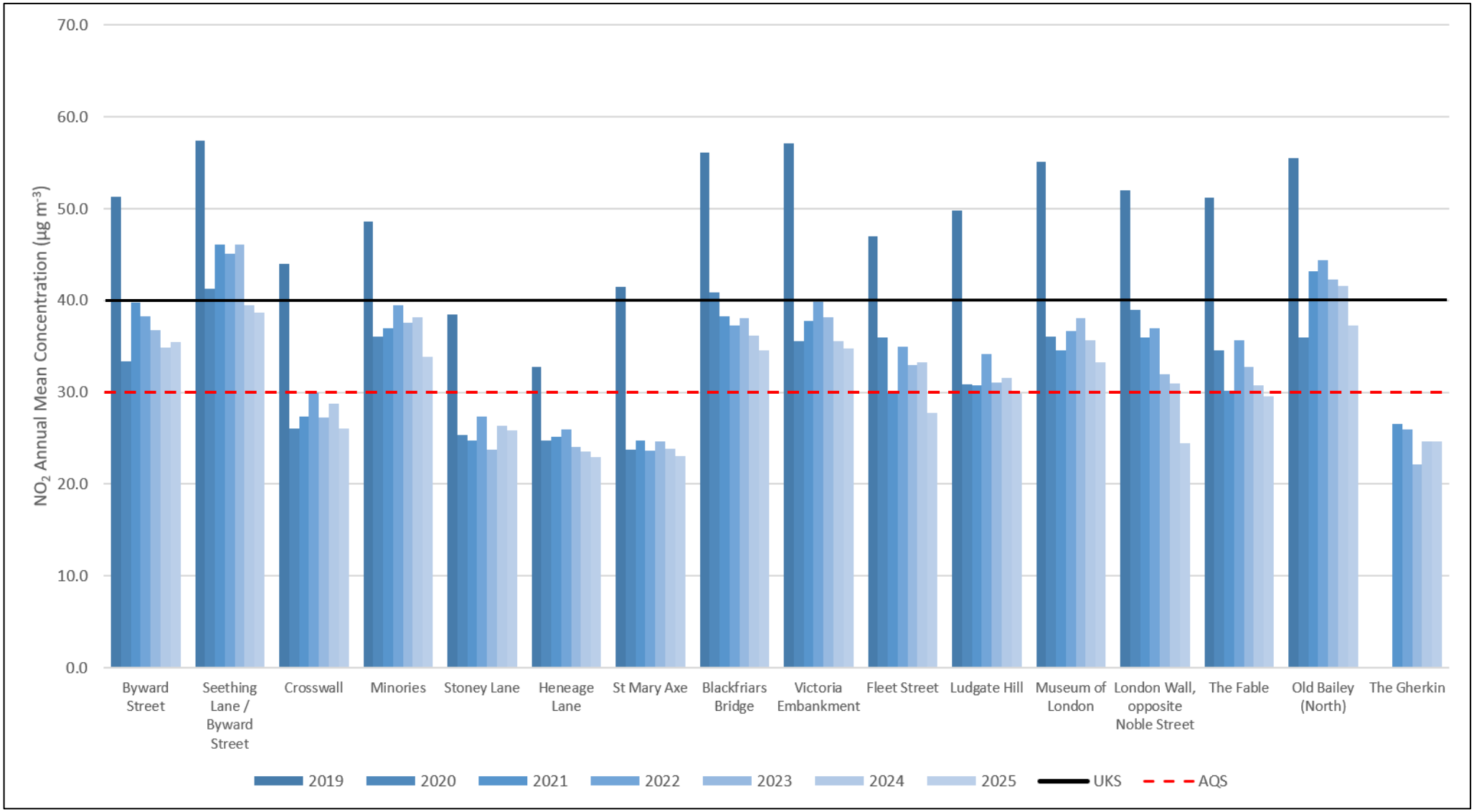


*Figure 5: Nitrogen Dioxide Monitoring Data, School and Nursery Diffusion Tube Sites*

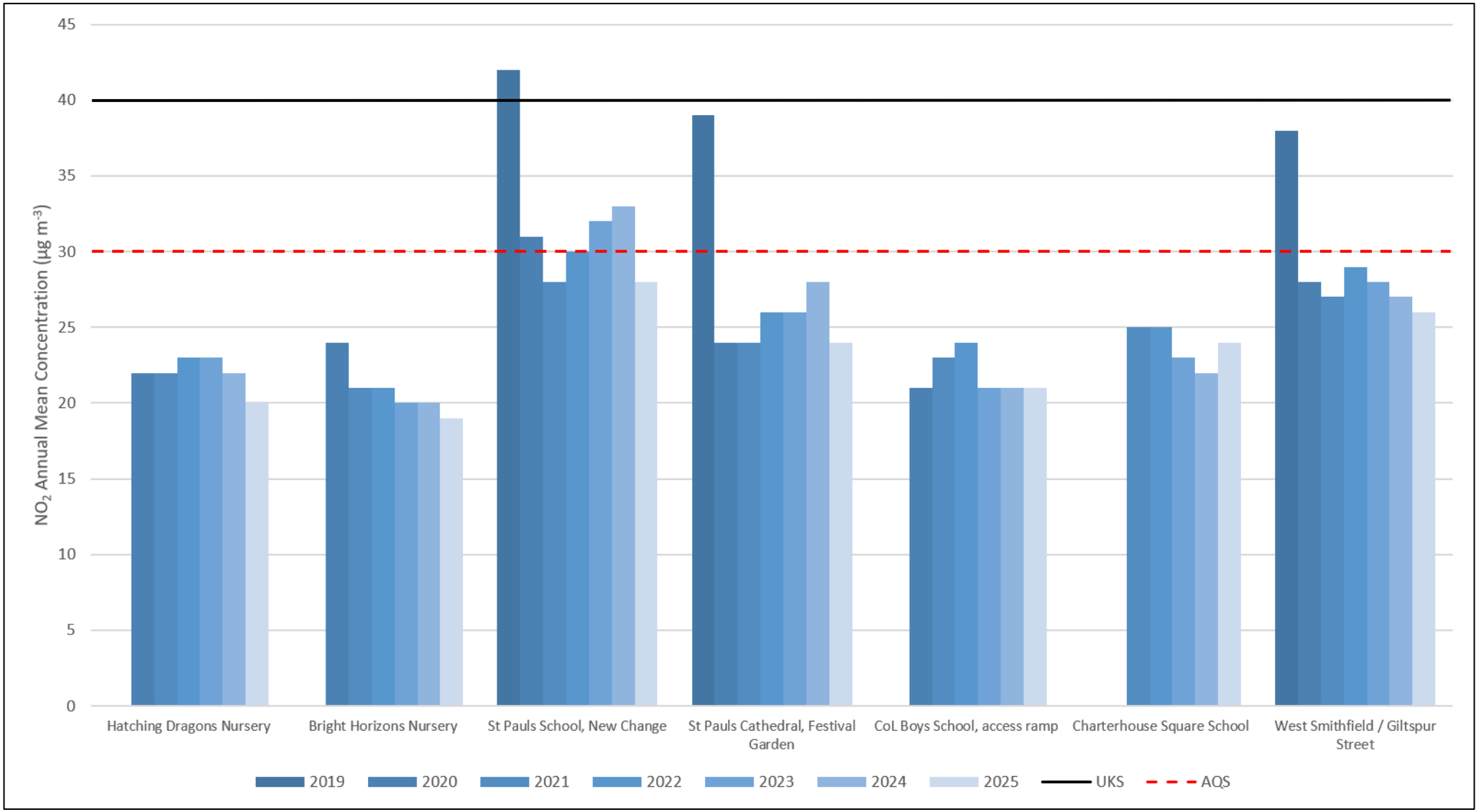


*Figure 6: Nitrogen Dioxide Monitoring Data, City West Diffusion Tube Sites*

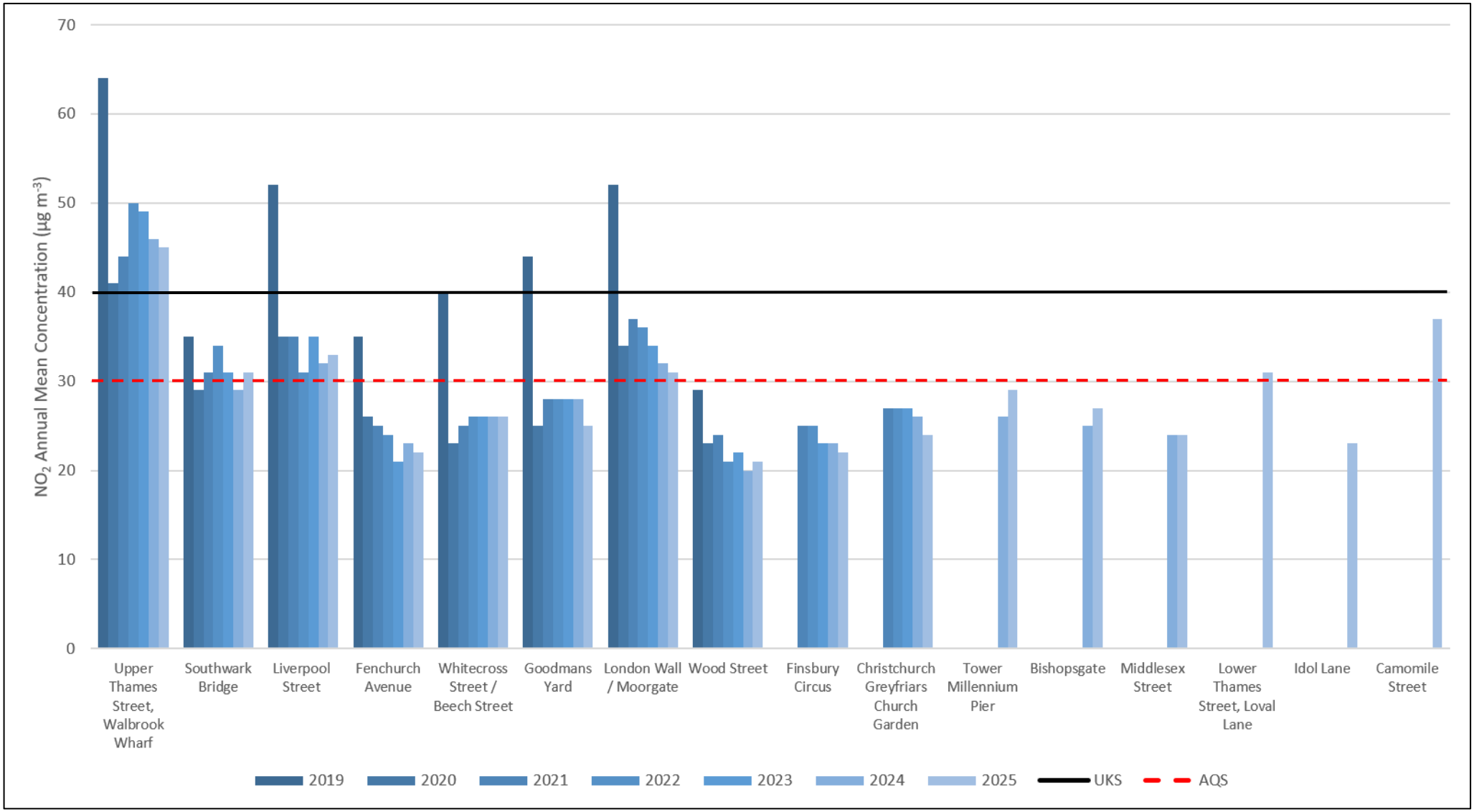


*Figure 7: Nitrogen Dioxide Monitoring Data, City East Diffusion Tube Sites*

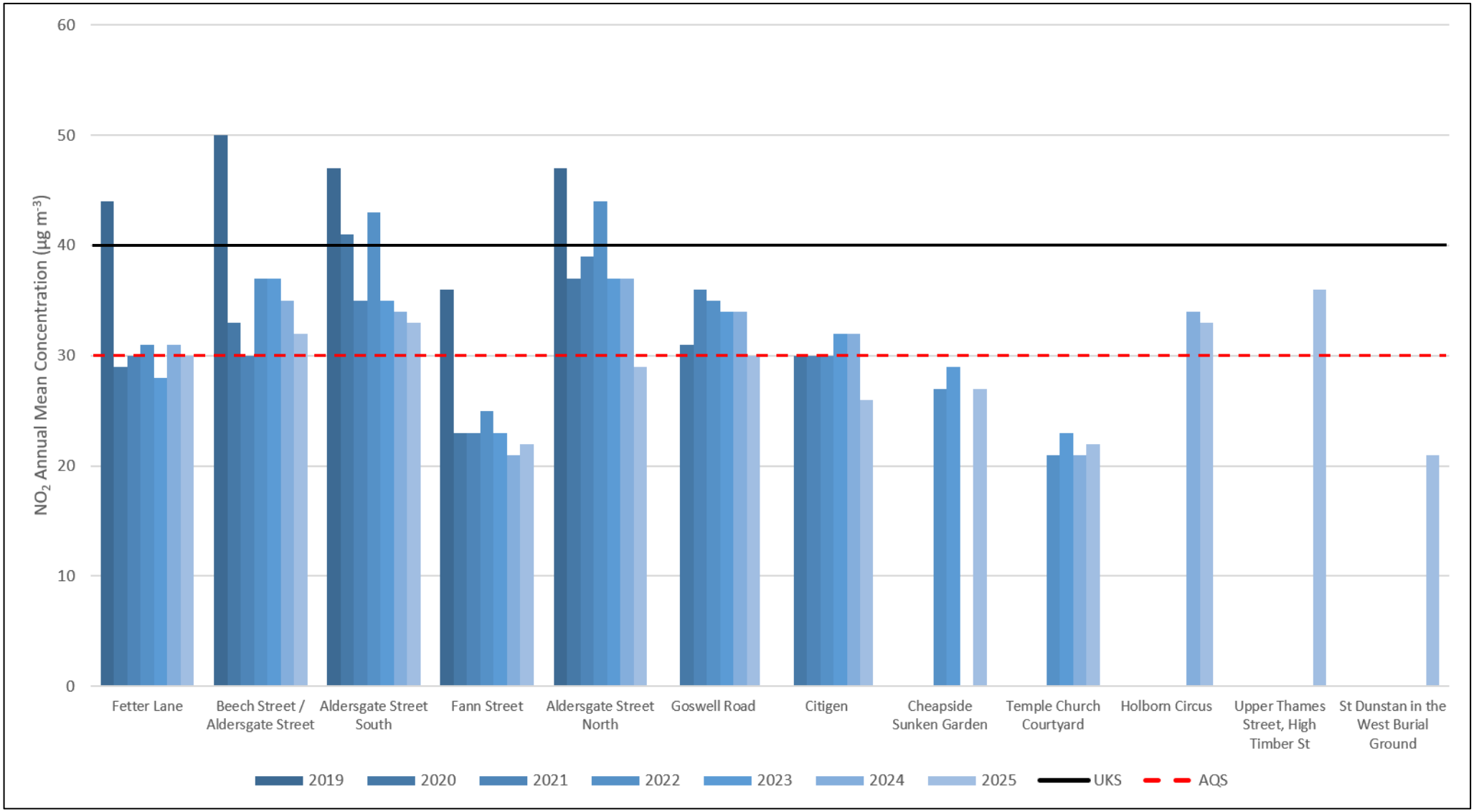


*Figure 8: Nitrogen Dioxide Monitoring Data, St Martin's Le Grand Regeneration Project Diffusion Tube Sites*

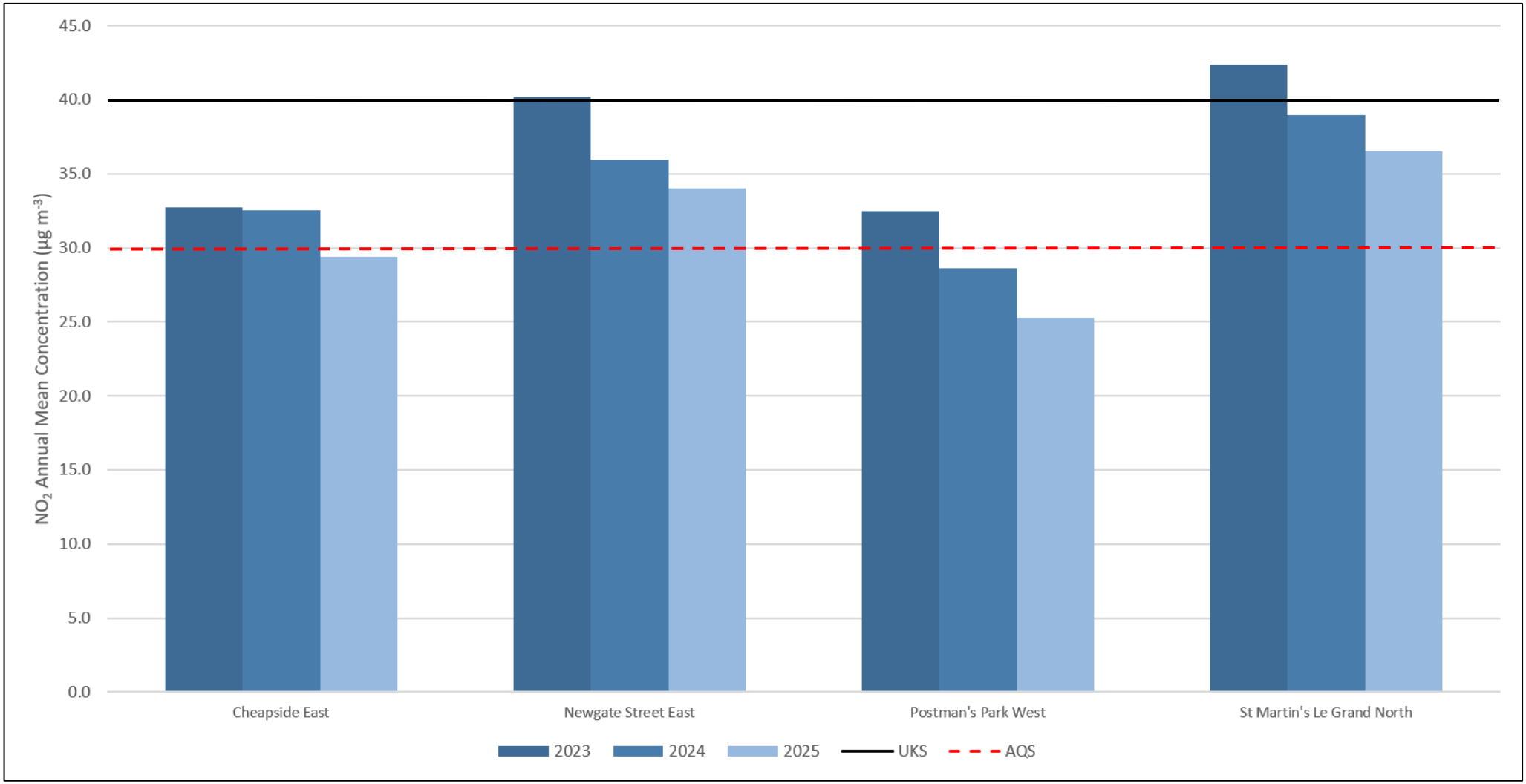


*Figure 9: $PM_{10}$ Monitoring Data*

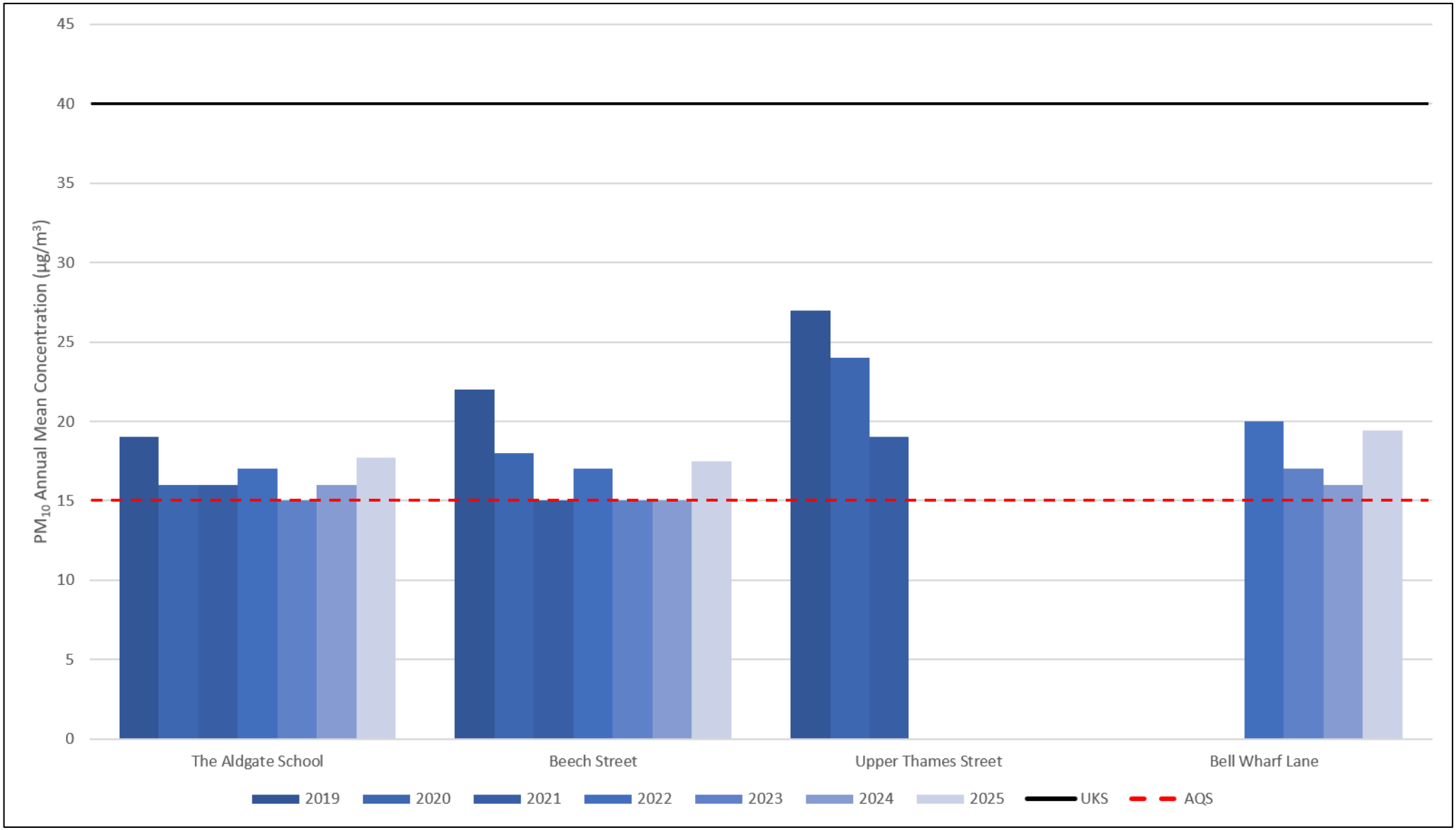
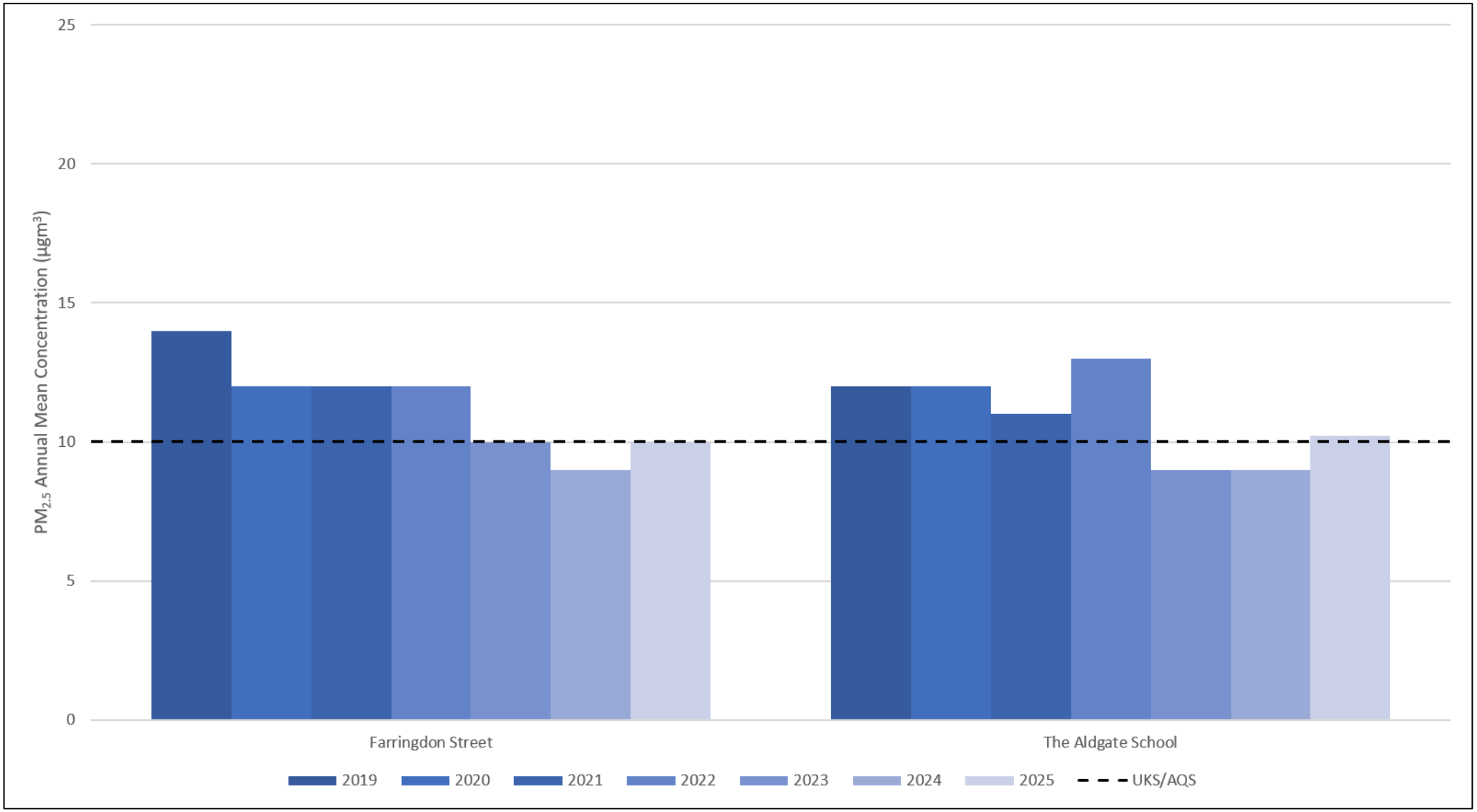


*Figure 10: $PM_{2.5}$ Monitoring Data*




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 2025.

