

Annual Mean NO₂ Monitoring Results

| Site ID | Site Name | Site type | Valid data capture for monitoring period % ^a | Valid data capture 2018 % ^b | Annual Mean Concentration (µg m ⁻³) | | | | | | |
|---------|--|--------------|---|--|---|-------------------|--------------------|-------------------|-------------------|-----------------------|-------------------|
| | | | | | 2012 ^c | 2013 ^c | 2014 ^c | 2015 ^c | 2016 ^c | 2017 ^c | 2018 ^c |
| ME9 | Civic Centre, Morden | RS Automatic | 99% | 99% | 48 (48.1) | 40.1 | 38 (37.9) | 34 | Faulty | Faulty | 48 |
| 1 | A298 Bushey Rd nr Bushey Ct, SW20 | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 52 | 47.8 |
| 2 (GA) | A24 Jct with Garth Drive Morden, SM3 9HU | RS DT | 100% | 100% | 37.5 | 39.6 | 32.8 | 32 | 32 ^d | 41^c | 36.7 |
| 3 | A24 Jct Tudor Drive, SM4 4PE | KS DT | Closed | Closed | not open | not open | not open | not open | not open | 34 | closed |
| 4 (FA) | 154 Grand Drive Raynes Park | KS DT | 100% | 100% | 34.7 | 37.7 | 43.4 (36.5) | 32 | 39.3 ^d | 37 | 30.4 |
| 5 (BA) | Sacred Heart Sch, Burlington Road New Malden | KS DT | 100% | 100% | 37.2 | 42 | 32.9 | 28 | 32 ^c | 42 | 38.0 |

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|---------|---------------------------------|-----------|---|--|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | | | 2012 ^c | 2013 ^c | 2014 ^c | 2015 ^c | 2016 ^c | 2017 ^c | 2018 ^c |
| 6 (JC) | 17 Grand Drive Raynes Park | KS DT | 100% | 100% | N/A | 42.1 | 32.4 | N/A | 34 ^d | 45 | 43.0 |
| 7 | A298 Kingston Rd, SW20 8LX | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 44 | 46.0 |
| 8 | A238 Coombe Lane, SW20 8NF | KS DT | 92% | 92% | not open | not open | not open | not open | not open | 53 | 43.1 |
| 9 | 2 Lambton Rd, SW20 | KS DT | 92% | 92% | not open | not open | not open | not open | not open | 43 | 46.8 |
| 10 | A238 Coombe Lane, SW20 | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 38 | 43.6 |
| 11 | Kingston Rd SW20 1JW | KS DT | 92% | 92% | not open | not open | not open | not open | not open | 35 | 35.8 |
| 12 (RA) | Pepys Road Morden | KS DT | Closed | Closed | 32 | 35.9 | 32.8 | 26 | 36 | 30 | closed |
| 13 | B281 Cottenham Pk Rd, SW20 | KS DT | 92% | 92% | not open | not open | not open | not open | not open | 44 | 36.9 |
| 14 (AC) | 20 The Ridgeway Wimbledon | KS DT | 100% | 100% | N/A | 47.6 | 41.6 (38) | N/A | 45 ^d | 44 | 42.2 |
| 15 | 20 High St, Wimbledon, SW19 5BY | KS DT | 92% | 92% | not open | not open | not open | not open | not open | 26 | 26.2 |

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| | | | | | 2012 ^c | 2013 ^c | 2014 ^c | 2015 ^c | 2016 ^c | 2017 ^c | 2018 ^c |
| 16 | 84 High St, Wimbledon, SW19 | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 39 | 44.9 |
| 17 (WA) | Woodside Wimbledon | KS DT | Closed | Closed | 33.3 | 33.7 | 40.5 (36.1) | 25 | 37 | 30 | closed |
| 18 | Hand & Racquet, Wimbledon Hill | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 64 | 65.6 |
| 19 | Wimbledon Station | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 52 | 54.5 |
| 20 | Hartfield Rd, Wimbledon b | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 48 | 55.1 |
| 21 (EA) | 246 Merton Rd, Sth Wimbledon A219 | KS DT | 92% | 92% | 52.7 | 57.5 | 61.1 (50.5) | 65 | 61^d | 57 | 68.8 |
| 22 | 12-16 Upper Green West, CR4 3AA | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 77 | 63.7 |
| 23 | 183 Kingston Rd, SW19 1LH | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 61 | 58.3 |

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| | | | | | 2012 ^c | 2013 ^c | 2014 ^c | 2015 ^c | 2016 ^c | 2017 ^c | 2018 ^c |
| 24 | 75 Hartfield Rd SW19 3TJ | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 38 | 39.0 |
| 25 | Alexander Rd, SW19 7LE | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 41 | 39.1 |
| 26 | Gap Rd, SW19 8JG | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 47 | 45.3 |
| 27 | Plough Lane | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 46 | 45.5 |
| 28 (BC) | 11 Haydons Road SW19 1HG | RS DT | 100% | 100% | N/A | 48.3 | 43.6 (42.6) | N/A | 54 ^d | 46 | 49.0 |
| 29 (HA) | A24 - 44 High St Colliers Wood, SW19 2AB | KS DT | 83% | 83% | 50.7 | 52.2 | 49.8 (46.6) | 31 | 49.9 ^{c,d} | 61 | 65.9 |
| 30 | A24 Christchurch Rd, SW19 2PB | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 48 | 50.9 |
| 31 (LA) | Alley Charminster Ave Morden | BG DT | 100% | 100% | 24 | 26.1 | 26 | 17 | 24 | 20 | 20.5 |
| 32 | Merantum Way, SW19 2JY | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 42 | 38.2 |
| 33 | A24 Morden Rd, SW19 3BP | RS DT | 92% | 92% | not open | not open | not open | not open | not open | 49 | 48.2 |

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| | | | | | 2012 ^c | 2013 ^c | 2014 ^c | 2015 ^c | 2016 ^c | 2017 ^c | 2018 ^c |
| 34(GC) | Western Rd Colliers Wood | RS DT | 92% | 92% | N/A | N/A | N/A | 53 | <u>64</u> ^d | 59 | 55.4 |
| 35 (MA) | Lavender Ave Morden | KS DT | 100% | 100% | 31.4 | 35.2 | 32.2 | 32 | 39 | 31 | 31.2 |
| 36 (DC) | 35 London Rd Tooting | RS DT | 100% | 100% | N/A | 59.3 | 55.5 (50.2) | 45 | 57 ^d | 42 | 46.9 |
| 37 (CC) | 107 London Rd Tooting | KS DT | 100% | 100% | N/A | <u>72.6</u> | <u>67.2</u> (54.5) | <u>64</u> | <u>62</u> ^d | <u>61</u> | <u>67.3</u> |
| 38 (EC) | BHF, 265 London Rd, Mitcham | KS DT | 100% | 100% | N/A | 40.4 | 38 | 37 | 39 ^d | 41 | 44.3 |
| 39 (FC) | Church Rd Mitcham | KS DT | 83% | 83% | N/A | 45.2 | 36.2 | 37 | 41 ^d | 45 | 47.9 |
| 40 | A217 London Rd, CR4 4BF | KS DT | 100% | 100% | not open | not open | not open | not open | not open | 46 | 51.9 |
| 41 | A239 Morden Rd, nr O, CR4 6AU | RS DT | 100% | 100% | not open | not open | not open | not open | not open | 41 | 47.5 |
| 42 | St Hellier Rd, SM4 6JE | RS DT | 92% | 92% | not open | not open | not open | not open | not open | 35 | 37.9 |

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| | | | | | 2012 ^c | 2013 ^c | 2014 ^c | 2015 ^c | 2016 ^c | 2017 ^c | 2018 ^c |
| 53 | A24 139 Epsom Rd, nr traffic lights, SM3 9EY | KS DT | 100% | 100% | not open | not open | not open | not open | not open | not open | 43.1 |

Notes: Exceedance of the NO₂ annual mean AQO of 40 $\mu\text{g m}^{-3}$ are shown in **bold**.

NO₂ annual means in excess of 60 $\mu\text{g m}^{-3}$, indicating a potential exceedance of the NO₂ hourly mean AQS objective are shown in bold and underlined.

^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%)

^c Means should be "annualised" in accordance with LLAQM Technical Guidance, if valid data capture is less than 75%

The above table shows the NO₂ diffusion tube monitoring results, with bias corrected values for each year from 2012 to 2018.

Note: Prior to 11th October 2017 continuous monitoring of nitrogen dioxide was measured by instrument ME1. The roadside site was located at Morden Civic Centre and suffered a series of faults during 2016, no data is available for 2016 and 2017 for this reason. A new chemiluminescent NO₂ analyser was installed on the 11th October 2017 identified as ME9.

The results in bold indicate an exceedance of the annual mean objective of 40 $\mu\text{g m}^{-3}$ and the results underlined indicate NO₂ annual means in excess of 60 $\mu\text{g m}^{-3}$ indicating a potential exceedance of the NO₂ hourly mean AQS objective. Diffusion tube data above 40 $\mu\text{g m}^{-3}$ have been corrected for distance and then bias corrected, data capture was above 75% across all sites therefore annualisation was not necessary.

Data capture for 2018 has improved again from 2017 with all sites above the 75% validity threshold. The overall data capture rate was 97%, which is very good. The reliability and accuracy of the data is therefore much improved since the implementation of the new monitoring regime in 2017.

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