| This file has been cleaned of potential threats. To view the reconstructed contents, please SCROLL DOWN to next page. |
|---|
| If you confirm that the file is coming from a trusted source, you |
| can send the following SHA-256 hash value to your admin for the original file. |
| can send the following SHA-256 hash value to your admin for |
| can send the following SHA-256 hash value to your admin for the original file. |
| can send the following SHA-256 hash value to your admin for the original file. |
| can send the following SHA-256 hash value to your admin for the original file. |



2023 Air Quality Annual Status Report (ASR)

In fulfilment of Part IV of the Environment Act 1995 Local Air Quality Management, as amended by the Environment Act 2021

Date: 30 June, 2023

| Information | <local authority="" name=""> Details</local> |
|-------------------------|--|
| Local Authority Officer | Rupert Williamson |
| Department | Environmental Protection |
| Address | Blackdown House, Border Road, Heathpark Industrial Estate, Honiton, EX14 1EJ |
| Telephone | 07966 733431 |
| E-mail | Rupert.williamson@eastdevon.gov.uk |
| Report Reference Number | EDDC2023ASR |
| Date | 30 June 2023 |

Executive Summary: Air Quality in Our Area

Air Quality in East Devon

Air pollution is associated with a number of adverse health impacts. It is recognised as a contributing factor in the onset of heart disease and cancer. Additionally, air pollution particularly affects the most vulnerable in society: children, the elderly, and those with existing heart and lung conditions. There is also often a strong correlation with equalities issues because areas with poor air quality are also often less affluent areas^{1,2}.

The mortality burden of air pollution within the UK is equivalent to 29,000 to 43,000 deaths at typical ages³, with a total estimated healthcare cost to the NHS and social care of £157 million in 2017⁴.

This ASR presents the monitoring results for 2022 within East Devon District Council.

East Devon is a mainly rural area with small market towns and only pockets of commercial development, mainly involving supply and distribution. Although there are some modern energy plants these are small scale and compliant with the air quality requirements of their environmental permits. This includes the recent Small Waste Incinerator Plant (SWIP) permit update and a second incinerator at a different facility both in 2021. The M5 motorway runs through the west of the district, and the area is bisected east to west by the A35 and A30 major trunk roads. Smaller main roads serving the main towns and commercial areas feed into the strategic network. East Devon is an identified area of expansion for the City of Exeter and it is likely that vehicle flows will increase as a result of this. This includes developments such as the Cranbrook Eastern Expansion.

NO₂ is the main pollutant of concern within East Devon District Council (EDDC) which predominantly is sourced from road traffic, particularly in areas with higher levels of

¹ Public Health England. Air Quality: A Briefing for Directors of Public Health, 2017

² Defra. Air quality and social deprivation in the UK: an environmental inequalities analysis, 2006

³ Defra. Air quality appraisal: damage cost guidance, January 2023

⁴ Public Health England. Estimation of costs to the NHS and social care due to the health impacts of air pollution: summary report, May 2018

congestion. As such EDDC have continued to focus on monitoring NO₂ and managing the effects. EDDC have 54 passive monitoring sites including 1 triplicate tube location. There is one Automatic Urban and Rural Network (AURN) continuous monitoring station within EDDC.

Air Quality across EDDC has continued to improve, albeit marginally, over the last year with no monitoring location exceeding the Air Quality Objective (AQO) for NO_2 of $40\mu g/m^3$. On average the changes in monitored levels of NO_2 across the district has seen a small fall of $0.74~\mu g/m^3$. There are likely to have been reductions in traffic associated with the trend of continued home-working, rising fuel prices and more generally an increase in the cost of living. There was also a fuel shortage in April 2022 which led to forecourt queues and rising prices.

The highest NO₂ annual mean concentration in 2022 was recorded at N46 (Honiton (High Street) - Windmill Court, A35) with a concentration of 32.3μg/m³ down (-2.9 μg/m³) on the previous year and still well below the annual mean AQS objective of 40μg/m³.

There are no sites where the NO₂ annual mean is greater than 60µg/m³, therefore in accordance with Defra LAQM.TG(22) there are no sites likely to be at risk of exceeding the 1-hour mean AQS objective.

East Devon District Council revoked their only Air Quality Management Area (AQMA) in April 2018 as a result of monitored improvements in air quality in the designated area, in addition to the 2017 detailed air quality report⁵, which concluded that no exceedances were likely to be observed at locations of relevant exposure within the district.

East Devon District Council have continued to work with other local authorities such as Devon District Council, Exeter City Council and Teignbridge District Council on larger schemes across the wider Devon area. These schemes the Devon Low-Carbon Energy & Transport Technology Innovator (DELETTI) programme⁶. Work has also started into investigating how East Devon can work with partners to encourage more children within the District to walk or cycle to school and what enablers can be put in place to make this happen.

⁵ https://eastdevon.gov.uk/media/2266676/honiton-detailed-assessment-as-part-of-asr-defra-approved.pdf

⁶ https://eastdevon.gov.uk/news/2019/10/electric-car-charge-points-to-be-installed-in-east-devon-car-parks/

Actions to Improve Air Quality

Whilst air quality has improved significantly in recent decades, there are some areas where local action is needed to protect people and the environment from the effects of air pollution.

The Environmental Improvement Plan⁷ sets out actions that will drive continued improvements to air quality and to meet the new national interim and long-term PM_{2.5} targets. The National Air Quality Strategy, due to be published in 2023, will provide more information on local authorities' responsibilities to work towards these new targets and reduce PM_{2.5} in their areas. The Road to Zero⁸ details the approach to reduce exhaust emissions from road transport through a number of mechanisms; this is extremely important given that the majority of Air Quality Management Areas (AQMAs) are designated due to elevated concentrations heavily influenced by transport emissions.

Whilst air quality has improved significantly in recent decades and will continue to improve due to national policy decisions, there are some areas where local action is needed to improve air quality further.

The 2019 Clean Air Strategy⁹ sets out the case for action, with goals to reduce exposure to harmful pollutants. The Road to Zero¹⁰ sets out the approach to reduce exhaust emissions from road transport through a number of mechanisms; this is extremely important given that the majority of Air Quality Management Areas (AQMAs) are designated due to elevated concentrations heavily influenced by transport emissions.

There are no designated AQMAs within the district; therefore, the Council has no active Air Quality Action Plans (AQAPs). The Council however continue to progress a number of measures in order to ensure that the district regularly improves on its local air quality.

⁷ Defra. Environmental Improvement Plan 2023, January 2023

⁸ DfT. The Road to Zero: Next steps towards cleaner road transport and delivering our Industrial Strategy, July 2018

⁹ Defra. Clean Air Strategy, 2019

¹⁰ DfT. The Road to Zero: Next steps towards cleaner road transport and delivering our Industrial Strategy, July 2018

The Council continue to recommend that all major new developments across the district incorporate measures to discourage car use with the provision of cycle and walking routes, subsidise new bus services, and install electric vehicle charging points across the area.

The Devon Low-Carbon Energy & Transport Technology Innovator (DELETTI) programme is ongoing, this programme aims to help reduce emissions with the installation of electric vehicle charging points for public use across Devon. An additional 30 public charging points have been installed bringing the total to 44 as of June 2023. A further 8 are currently planned¹¹.

EDDC is currently undertaking work with primary schools within the district to find out what the barriers are to air quality and what can be done to remove these so that less children travel to school by car.

Conclusions and Priorities

Monitoring in EDDC during 2022 showed no exceedances of the annual mean air quality objective for NO₂ (40µg/m³). It is likely that continued home-working; rising fuel prices; fuel shortages earlier in 2022; and the current cost of living crisis may all be contributing to lower than normal traffic levels.

Due to the historical exceedances and close to exceedance concentration levels for NO₂ at N71, two additional monitoring locations, N85 and N86, were deployed within Wilmington at the start of the 2020 Defra calendar year. All three monitoring locations continued to be well below the annual mean Air Quality Objective for NO₂ in 2022.

The Honiton AURN automatic urban background monitoring site continued to monitor no exceedances for both the annual mean and hourly mean objective limits in 2022, with the NO₂ annual mean concentration continuing to report significantly below the AQO (6.7µg/m³).

East Devon District Council's priorities for the coming year include;

_

¹¹ https://eastdevon.gov.uk/parking/ev-electric-vehicle-charging-in-car-parks/

- Continue to review the current NO₂ diffusion tube monitoring network, where necessary, in order to identify and mitigate any potential exceedances of the annual mean air quality objective at locations of relevant exposure;
- Progress the Devon Low-Carbon Energy & Transport Technology Innovator Programme;
- Ensure new developments meet the requirements of planning policies and guidance in relation to air quality; and
- Proceed to the 2024 Annual Status Report.

Local Engagement and How to get Involved

Local residents of East Devon can help to improve air quality in the district by using alternative methods of sustainable transport such as walking, running, cycling, public transport or replacing petrol/diesel cars with an electric vehicle. Car sharing is also a simple way to reduce private car use. Further information regarding East Devon District Council's Local Air Quality Management strategy, including access to the Council's LAQM reports, can be found on the Council's website.¹²

A recent survey carried out by EDDC revealed that currently less than 50% of the respondents' children travel to school by walking and cycling. EDDC is engaging with partners such as Active Devon to engage with primary schools and the parents of children to increase the number of children who walk to school with a further campaign planned in October to coincide with the International Walk to School Month

Local Responsibilities and Commitment

This ASR was prepared by the Environmental Protection Team of East Devon District Council with the support and agreement of the following officers and departments:

Rupert Williamson – Environmental Protection Team

Sally Webster – Principal Environmental Health Officer

¹² http://eastdevon.gov.uk/environment/air-quality/

This ASR has been approved by:

John Golding – Strategic Lead of Housing, Health and Environment

Cllr Geoff Jung – Portfolio Holder Housing, Health and Environment

If you have any comments on this ASR please send them to Rupert Williamson at:

Blackdown House, Border Road, Heathpark Industrial Estate, Honiton, EX14 1EJ

07966 733431

Rupert.williamson@eastdevon.gov.uk

Table of Contents

| Exe | ecuti | ive Summary: Air Quality in Our Area | i |
|----------|-------------------------|--|------------|
| Α | ir Qu | uality in East Devon | j |
| Α | ction | s to Improve Air Quality | iii |
| C | onclu | usions and Priorities | . iv |
| Lo | ocal l | Engagement and How to get Involved | v |
| Lo | ocal l | Responsibilities and Commitment | V |
| 1 | Loc | cal Air Quality Management | 1 |
| 2 | Act | tions to Improve Air Quality | 2 |
| 2. | .1 | Air Quality Management Areas | 2 |
| 2. | .2 | Progress and Impact of Measures to address Air Quality in East Devon District Council | 3 |
| 2. | .3 | PM _{2.5} – Local Authority Approach to Reducing Emissions and/or Concentrations | 5 |
| 3 Nat | | Quality Monitoring Data and Comparison with Air Quality Objectives and al Compliance | 7 |
| 3. | | Summary of Monitoring Undertaken | |
| ٥. | . ₁ 3.1.1 | | |
| | 3.1.2 | | |
| 3. | .2 | Individual Pollutants | |
| | 3.2.1 | | |
| | 3.2.2 | 2 Particulate Matter (PM _{2.5}) | 8 |
| App | oenc | dix A: Monitoring Results | 9 |
| | | dix B: Full Monthly Diffusion Tube Results for 2022 | |
| | | dix C: Supporting Technical Information / Air Quality Monitoring Data QA/Q0 | |
| | | | 33 |
| Ν | ew o | or Changed Sources Identified Within East Devon District Council During 2023 | 33 |
| Α | dditic | onal Air Quality Works Undertaken by East Devon District Council During 2022 | 33 |
| Q | A/Q(| C of Diffusion Tube Monitoring | 33 |
| | | usion Tube Annualisation | |
| | | usion Tube Bias Adjustment Factors | |
| | | Fall-off with Distance from the Road | |
| | | Fall-off with Distance from the Road | |
| | | dix D: Maps of Monitoring Locations | |
| | | dix E: Summary of Air Quality Objectives in England | |
| Glo | ssaı | ry of Terms | 47 |
| Ref | erer | nces | 4 8 |

Figures

| Figure A.1 – Trends in Annual Mean NO ₂ Concentrations - Exmouth, Exton, Lympstone.19 |
|--|
| Figure A.2 – Trends in Annual Mean NO ₂ Concentrations – Newton Poppleford, Sidord |
| and Sidmouth20 |
| Figure A.3 – Trends in Annual Mean NO ₂ Concentrations – Clyst St. George2 |
| Figure A.4 – Trends in Annual Mean NO ₂ Concentrations – East of Exeter, Beare and |
| Broadclyst22 |
| Figure A.5 – Trends in Annual Mean NO $_{2}$ Concentrations – Clyst St. Mary, Farringdon23 |
| Figure A.6 – Trends in Annual Mean NO ₂ Concentrations – Axminster24 |
| Figure A.7 – Trends in Annual Mean NO2 Concentrations – Ottery, Seaton25 |
| Figure A.8 – Trends in Annual Mean NO ₂ Concentrations – Honiton - West (Near Turks |
| Head Junction)26 |
| Figure A.9 – Trends in Annual Mean NO2 Concentrations – Central and East Honiton |
| (High Street)27 |
| Figure A.10 - Trends in Annual Mean NO2 Concentrations - DEFRA AURN Site: Honiton, |
| Dove Close28 |
| Figure A.11 – Trends in Annual Mean NO ₂ Concentrations29 |
| Figure D.1 – Map of Non-Automatic Monitoring Site36 |
| Tables |
| Table A.4. Details of Automotic Manitaring Cites |
| Table A.1 – Details of Automatic Monitoring Sites |
| Table A.2 – Details of Non-Automatic Monitoring Sites |
| Table A.3 – Annual Mean NO ₂ Monitoring Results (µg/m³)16 |
| Table B.1 – NO ₂ 2022 Diffusion Tube Results (µg/m³)30 |
| Table B. I – NO ₂ 2022 Diliusion Tube Results (µg/m²) |
| Table C.2 – Bias Adjustment Factor34 |
| Table C.E. Black Adjustition in a dotte |
| Table E.1 – Air Quality Objectives in England46 |

1 Local Air Quality Management

This report provides an overview of air quality in East Devon District Council during 2023. It fulfils the requirements of Local Air Quality Management (LAQM) as set out in Part IV of the Environment Act (1995), as amended by the Environment Act (2021), and the relevant Policy and Technical Guidance documents.

The LAQM process places an obligation on all local authorities to regularly review and assess air quality in their areas, and to determine whether or not the air quality objectives are likely to be achieved. Where an exceedance is considered likely the local authority must declare an Air Quality Management Area (AQMA) and prepare an Air Quality Action Plan (AQAP) setting out the measures it intends to put in place in order to achieve and maintain the objectives and the dates by which each measure will be carried out. This Annual Status Report (ASR) is an annual requirement showing the strategies employed by East Devon District Council to improve air quality and any progress that has been made.

The statutory air quality objectives applicable to LAQM in England are presented in Table E.1.

2 Actions 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 18 months. The AQAP should specify how air quality targets will be achieved and maintained, and provide dates by which measures will be carried out.

East Devon District Council currently does not have any declared AQMAs. A local Air Quality Strategy is under development to prevent and reduce polluting activities.

2.2 Progress and Impact of Measures to address Air Quality in East Devon District Council

Defra's appraisal of last year's ASR concluded:

- 1. The council is commended for their approach to further improving Air Quality in the absence of a formal AQAP. Continued engagement with local residents is highly encouraged. The council should try to identify additional means to address further air quality concerns.
- 2. Trend graphs have been provided for all monitoring data including diffusion tubes, which is commended.
- 3. It is encouraging to see the council considered the comments made during the previous appraisal and actively made an effort to address all of these actions for this year's ASR.
- 4. The council is commended for their in-depth discussion of their approach to tackling PM_{2.5} emissions. It would be helpful if they could describe their measures in further detail to illustrate how each measure will help achieve their commitment of becoming carbon neutral.
- 5. As stressed in previous appraisals, the council is recommended to continue to review their current monitoring regime, specifically the addition of several new non-automatic monitoring sites (diffusion tubes) across the region. This is important as additional sites will help to identify whether there are other key areas of relevant exposure where there may be exceedances and the appropriate measures can be adopted accordingly.

East Devon District Council has taken forward a number of direct measures during the current reporting year of 2023 in pursuit of improving local air quality. East Devon District Council has taken forward a number of direct measures during both the 2020 and 2021 reporting years in pursuit of improving local air quality.

EDDC are continuing to work on the Devon Low-Carbon Energy & Transport Technology Innovator (DELETTI) programme, which aims to help reduce emissions with the installation of electric vehicle charging points for public use across Devon; Progress has shown that 44 EV charging points have currently been installed with more to follow.

The Environmental Protection Team at EDDC are working with partners both inside and outside the district council to help reduce the number of children who travel to school by car. The ongoing project is aiming collect data on current trends; to set up active travel champions within schools and to engage with parents and carers of children to help

reduce congestion; reduce pollution around schools; increase child activity; increase awareness of local air pollution and its effects.

EDDC are also continually reviewing the passive monitoring network and identifying any additional areas where monitoring may be required.

EDDC are committed to becoming carbon neutral by 2040, as such measures such as replacement of the fleet vehicles with electric vehicles is proposed. Additionally, EDDC continue to recommend that all major new developments across the district incorporate measures to discourage car use with the provision of cycle and walking routes, subsidies for bus services and continue to install EV charging points across the district.

East Devon District Council's priorities for the coming year include;

- Continue to review the current NO₂ diffusion tube monitoring network, where necessary, in order to identify and mitigate any potential exceedances of the annual mean air quality objective at locations of relevant exposure;
- Progress the Devon Low-Carbon Energy & Transport Technology Innovator Programme;
- Ensure new developments meet the requirements of planning policies and guidance in relation to air quality; and
- Proceed to the 2024 Annual Status Report.

East Devon District Council worked to implement these measures in partnership with the following stakeholders during 2022:

- Devon County Council
- Devon LEA
- Active Devon

2.3 PM_{2.5} – Local Authority Approach to Reducing Emissions and/or Concentrations

As detailed in Policy Guidance LAQM.PG22 (Chapter 8), local authorities are expected to work towards reducing emissions and/or concentrations of PM_{2.5} (particulate matter with an aerodynamic diameter of 2.5µm or less). There is clear evidence that PM_{2.5} has a significant impact on human health, including premature mortality, allergic reactions, and cardiovascular diseases.

PM_{2.5} concentrations are affected by both local sources and the transport of pollution from wider regions, often from well beyond the UK.

 Background map concentrations provided by DEFRA suggest that the highest level for PM_{2.5} within EDDC for 2022 is 6.9µg/m³.

EDDC had previously undertaken monitoring of PM_{2.5} through the use of Zephyr® air quality sensors. Data from the sensors had become increasingly unreliable throughout 2022 and they were removed in September. For this reason and due to Zephyr® air quality sensors not being MCERTS certified, they not suitable for LAQM reporting purposes.

Current actions to reduce both NO₂ and PM₁₀ are expected to also reduce levels of PM_{2.5}, and will be published in the upcoming EDDC Air Quality Strategy and are not limited to but will include:

- Continued promotion and work along with Devon Low-Carbon Energy & Transport
 Technology Innovator (DELETTI) programme¹³ on the promotion of E-vehicles
 while still recognising that there are non-exhaust PM_{2.5} emissions from electric
 vehicles including tyre-wear
- Continued promotion of active travel to reduce vehicle journeys including surveying to find barriers to active travel.
- Home heating using coal and wood on open fires and in stoves is a major
 contributor to local levels of PM_{2.5}. In order to understand the contribution of this
 source EDDC will need to undertake a survey of the prevalence of this form of
 heating and ensure that effective measures are taken to ensure that wood burnt is
 properly seasoned and dried before use. EDDC will ensure that appropriate advice

-

¹³ https://eastdevon.gov.uk/news/2019/10/electric-car-charge-points-to-be-installed-in-east-devon-car-parks/

is available on the EDDC website to provide information to residents to ensure that appliances are operated as efficiently as possible.

• Condition planning so as to mitigate PM2.5 wherever possible including no building and demolition sites being able to burn any waste products produced in open fires.

3 Air Quality Monitoring Data and Comparison with Air Quality Objectives and National Compliance

This section sets out the monitoring undertaken within 2022 by EDDC and how it compares with the relevant air quality objectives. In addition, monitoring results are presented for a five-year period between 2018 and 2022 to allow monitoring trends to be identified and discussed.

3.1 Summary of Monitoring Undertaken

3.1.1 Automatic Monitoring Sites

East Devon District Council do not undertake automatic (continuous) monitoring, however, there is one automatic monitoring site in East Devon (Honiton AURN). Appendix A: Monitoring Results shows the details of the site. The site monitors hourly NO₂ concentrations and is part of the Automatic, Urban and Rural Network (AURN) in the UK.

National monitoring results are available at https://uk-air.defra.gov.uk/data/.

Maps showing the location of the monitoring sites are provided in Appendix D. Further details on how the monitors are calibrated and how the data has been adjusted are included in Appendix C.

Maps showing the location of the monitoring sites are provided in Appendix D. Further details on how the monitors are calibrated and how the data has been adjusted are included in Appendix C.

3.1.2 Non-Automatic Monitoring Sites

EDDC undertook non- automatic (i.e. passive) monitoring of NO₂ at 54 sites during 2020 and 2021 including one triplicate site. Table A.2 in Appendix A presents the details of the non-automatic sites.

Maps showing the location of the monitoring sites are provided in Appendix D. Further details on Quality Assurance/Quality Control (QA/QC) for the diffusion tubes, including bias adjustments and any other adjustments applied (e.g. annualisation and/or distance correction), are included in Appendix C.

3.2 Individual Pollutants

The air quality monitoring results presented in this section are, where relevant, adjusted for bias, annualisation (where the annual mean data capture is below 75% and greater than 25%), and distance correction. Further details on adjustments are provided in Appendix C.

3.2.1 Nitrogen Dioxide (NO₂)

Error! Reference source not found. and Table A.3 in Appendix A compare the ratified and adjusted monitored NO₂ annual mean concentrations for the past five years with the air quality objective of 40μg/m³. Note that the concentration data presented represents the concentration at the location of the monitoring site, following the application of bias adjustment and annualisation, as required (i.e. the values are exclusive of any consideration to fall-off with distance adjustment).

For diffusion tubes, the full 2022 dataset of monthly mean values is provided in Appendix B. Note that the concentration data presented in Table B.1 includes distance corrected values, only where relevant.

Error! Reference source not found. in Appendix A compares the ratified continuous monitored NO₂ hourly mean concentrations for the past five years with the air quality objective of 200µg/m³, not to be exceeded more than 18 times per year.

3.2.2 Particulate Matter (PM_{2.5})

In the absence of MCERTS certified PM_{2.5} monitors EDDC has relied on background concentration maps as supplied by DEFRA¹⁴. The predicted highest level for PM2.5 within the district is $6.99\mu g/m^3$ at Clyst Works, Clyst St. George, Clyst St Mary, East Devon, Devon, England, EX3.

_

¹⁴ https://uk-air.defra.gov.uk/data/lagm-background-maps?year=2018

Appendix A: Monitoring Results

Table A.1 - Details of Automatic Monitoring Sites

| Site ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | | In AQMA? Which AQMA? | Monitoring Technique | Relevant | Distance to kerb of nearest road (m) ⁽²⁾ | Inlet Height (m) |
|------------------------------------|-----------|---------------------|-------------------------------|--------------------------------|-----------------|-------------------------|-------------------------|----------|--|------------------------|
| Honiton AURN (Dove Close) | Honiton | Urban Background | 315749 | 99874 | NO ₂ | NO | FDMS | 20 | N/A | 2 |

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

Table A.2 – Details of Non-Automatic Monitoring Sites

| Diffusion Tube ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Pollutants Monitored | In AQMA? Which AQMA? | Distance to Relevant Exposure (m) ⁽¹⁾ | Distance to kerb of nearest road (m) | Tube Co- located with a Continuous Analyser? | Tube Height (m) |
|----------------------|--|-----------|-------------------------------|--------------------------------|-------------------------|-------------------------------|--|---|--|-----------------------|
| Exmouth, | Exton, Lympston | е | | | | | | | | |
| N01 | N01 Exmouth - Library | Kerbside | 300267 | 81193 | NO ₂ | N | N/A | 2.4 | No | 2.5 |
| N02 | N02 Exmouth - Salterton Rd opp Tesco | Roadside | 302163 | 81724 | NO ₂ | N | 31.1 | 1.6 | No | 2.5 |
| N07 | N07 Exmouth - The Strand | Kerbside | 300087 | 80955 | NO ₂ | N | N/A | 0.7 | No | 2.7 |
| N73 | N73 Exmouth - 369 Exeter Road | Kerbside | 300294 | 83265 | NO ₂ | N | 0 | 1.7 | No | 2.4 |
| N74 | N74 Lympstone - Opposite 6 Jubilee Grove | Kerbside | 299931 | 84157 | NO ₂ | N | О | 1.7 | No | 2.4 |
| N75 | Terrace | Kerbside | 298425 | 86472 | NO ₂ | N | О | 1.7 | No | 2.4 |
| Newton Po | op, Sidmouth, Sid | ford | | | | | | | | |
| N16 | N16 Sidmouth - opp Travelwise | Roadside | 312665 | 87432 | NO ₂ | N | N/A | 4.9 | No | 2.5 |
| N19 | N19 Sidford - School St (opp PO) | Roadside | 313403 | 90074 | NO ₂ | N | N/A | 1.5 | No | 2.5 |
| N72 | N72 Newton Pop - Westhayes High Street | Kerbside | 308004 | 89533 | NO ₂ | N | О | 1.3 | No | 2.32 |
| N84 | Newton- Poppleford - | Roadside | 308632 | 89742 | NO ₂ | N | 9 | 1.14 | No | 2.38 |

| Diffusion Tube ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Pollutants Monitored | In AQMA? Which AQMA? | Distance to Relevant Exposure (m) ⁽¹⁾ | Distance to kerb of nearest road (m) | Tube Co- located with a Continuous Analyser? | Tube Height (m) |
|----------------------|--|-----------|-------------------------------|--------------------------------|-------------------------|-------------------------------|--|---|--|-----------------------|
| | School Lane junction, A3052 | | | | | | | | | |
| Clyst St G | | | | | | | | | | |
| N06 | N06 Clyst St George - George & Dragon | Kerbside | 298062 | 88425 | NO ₂ | N | 1.4 | 6.2 | No | 2.5 |
| N68 | N68 Clyst St George - o/s Marsh Barton | Roadside | 298079 | 88521 | NO ₂ | N | N/A | 6.5 | No | 2.5 |
| N59 | N59 Clyst St George - o/s Clyst Dene | Roadside | 298083 | 88337 | NO ₂ | N | 26 | 1.2 | No | 2.5 |
| N63_EB | N63_EB Clyst St George - speed sign – Ebford Lane | Roadside | 298088 | 88161 | NO ₂ | N | 0.2 | 2.6 | No | 2.5 |
| N80 | N80 Nr 21 to 23 Exmouth Rd | Roadside | 297941 | 89437 | NO ₂ | N | 13 | 2.75 | No | 1.85 |
| East of Ex | eter - Beare, Broa | dclyst | | | | | | | | |
| N26 | N26 Little Orchard - Airport junction | Roadside | 299102 | 93198 | NO ₂ | N | N/A | 2.5 | No | 2.5 |
| N60 | N60 Sowton - Sowton Lodge (Nearest) | Roadside | 297029 | 93140 | NO ₂ | N | 0.1 | 11 | No | 2 |
| N20 | N20 Clyst Honiton - o/s Whimple Farm | Roadside | 300345 | 94860 | NO ₂ | N | 9.6 | 7.1 | No | 2.5 |

| Diffusion Tube ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Pollutants Monitored | In AQMA? Which AQMA? | Distance to Relevant Exposure (m) ⁽¹⁾ | | Tube Co- located with a Continuous Analyser? | Tube Height (m) |
|----------------------|---|------------|-------------------------------|--------------------------------|-------------------------|-------------------------------|--|-----|--|-----------------------|
| N22 | N22 Rockbeare - Jack in the Green | Industrial | 301876 | 95558 | NO ₂ | N | 53.4 | 80 | No | 2.5 |
| N76 | N76 Cranbrook - St Martins School | Roadside | 300283 | 95200 | NO ₂ | N | О | 8.5 | No | 2.44 |
| N77 | N77 Cranbrook - Opposite Jn Court Royal | Roadside | 301228 | 95665 | NO ₂ | N | N/A | 4.9 | No | 2.35 |
| N78 | N78 Beare - Beare House | Industrial | 299763 | 102177 | NO ₂ | N | N/A | N/A | No | 2.5 |
| Clyst St M | ary, Farringdon | | | | | | | | | |
| N13 | N13 Clyst St Mary - Opp P. O. | Roadside | 297314 | 91056 | NO ₂ | N | 6.7 | 1.9 | No | 2.5 |
| N63 _ LODGE | N63_LO Clyst St Mary - Lodge A3052 | Roadside | 297633 | 90927 | NO ₂ | N | 2 | 2.9 | No | 2.5 |
| N64_GP | N64_GP Clyst St Mary - A3052 Crealy | Roadside | 300259 | 90712 | NO ₂ | N | N/A | 11 | No | 1.9 |
| N65 | N65 Clyst St Mary - A3052 Farringdon | Roadside | 300735 | 90555 | NO ₂ | N | N/A | 2.8 | No | 2.5 |
| N66 | N66 Clyst St Mary - A3052 Vineyard | Roadside | 302491 | 90461 | NO ₂ | N | N/A | 5.1 | No | 2.5 |
| N67 | N67 Clyst St Mary - B3184 Opp Perkins | Kerbside | 302420 | 90750 | NO ₂ | N | N/A | 0.8 | No | 2.5 |

| Diffusion Tube ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Pollutants Monitored | In AQMA? Which AQMA? | Distance to Relevant Exposure (m) ⁽¹⁾ | Distance to kerb of nearest road (m) | Tube Co- located with a Continuous Analyser? | Tube Height (m) |
|----------------------|---|----------------------|-------------------------------|--------------------------------|-------------------------|-------------------------------|--|---|--|-----------------------|
| N81 | N81 rear of Lammorric | Roadside | 297327 | 90998 | NO ₂ | N | 9 | 0.34 | No | 2.1 |
| N82 | N82 Nr 1 Poplars Walk | Roadside | 298923 | 90859 | NO ₂ | N | 20 | 2.15 | No | 1.9 |
| N83 | N83 Nr 44 Sidmouth Roa | Roadside | 299997 | 90722 | NO ₂ | N | 66 | 3.8 | No | 1.84 |
| Axminster | | | | | | | | | | |
| N11 | N11 Axminster - o/s Swans | Roadside | 329584 | 98464 | NO ₂ | N | 0.1 | 1.5 | No | 2.5 |
| N56 | N56 Axminster - Trinity Square | Kerbside | 329680 | 98550 | NO ₂ | N | N/A | 0.7 | No | 2.5 |
| N57 | N57 Axminster - George Hotel | Roadside | 329765 | 98554 | NO ₂ | N | N/A | 1.5 | No | 2.5 |
| N58 | N58 Axminster - Homelea Grand Rd | Roadside | 329789 | 98613 | NO ₂ | N | N/A | 1.4 | No | 2.5 |
| N64_AX | N64_AX Axminster - Morgan York Victoria Pl | Kerbside | 329743 | 98589 | NO ₂ | N | N/A | 1 | No | 2.5 |
| Ottery, Sea | aton | | | | | | | | | |
| N14 | N14 Seaton - 6 Marine Crescent | Roadside | 324479 | 89930 | NO ₂ | N | 0.1 | 4.4 | No | 2.5 |
| N10 | N10 Ottery St Mary - Bank/Gold St | | 309882 | 95449 | NO ₂ | N | 1.5 | 1.5 | No | 2.5 |
| Honiton - V | Vest (Near Turks | Head Junction | on) | | | | | | | |
| N24 | N24 opp 4 Ex Rd | Roadside | 315097 | 100182 | NO ₂ | N | 12.7 | 0.1 | No | 2.5 |

| Diffusion Tube ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Pollutants Monitored | In AQMA? Which AQMA? | Distance to Relevant Exposure (m) ⁽¹⁾ | Distance to kerb of nearest road (m) | Tube Co- located with a Continuous Analyser? | Tube Height (m) |
|----------------------|--|---------------------|-------------------------------|--------------------------------|-------------------------|-------------------------------|--|---|--|-----------------------|
| N25 | N25 4 Ex Road (garden) | Roadside | 315087 | 100165 | NO ₂ | N | 26 | 0.77 | No | 2.3 |
| N27 | N27 Byways Ex Rd | Roadside | 314875 | 100097 | NO ₂ | N | О | 9 | No | 2.5 |
| N29 | N29 West Mede Ex Rd | Roadside | 315114 | 100201 | NO ₂ | N | 0 | 14 | No | 2.5 |
| Honiton - (| CENTRAL & EAST | HONITON (I | High Street |) | • | | · | | | |
| N09 | N09 High St / Dowell St jn | Roadside | 316062 | 100596 | NO ₂ | N | 0.1 | 2.2 | No | 2.5 |
| N36 | N36 10 Dowell St | Kerbside | 316012 | 100653 | NO ₂ | N | 0.1 | 1.2 | No | 2.5 |
| N37 | N37 153 High St | Kerbside | 316102 | 100607 | NO ₂ | N | 3.1 | 0.3 | No | 2.5 |
| N44 | N44 9 High St | Kerbside | 316629 | 100837 | NO ₂ | N | 2.2 | 0.6 | No | 2.5 |
| N45 | N45 Holyshute Cottage | Kerbside | 316816 | 100934 | NO ₂ | N | 17.2 | 0.1 | No | 2.5 |
| N46 | N46 Windmill Ct A35 | Kerbside | 316796 | 100856 | NO ₂ | N | 19.8 | 1 | No | 2.5 |
| DEFRA AL | IRN SITE - HONIT | ON, DOVE C | LOSE | | | | | | | |
| N62a,b,c | | Urban Background | 315745 | 99875 | NO ₂ | N | N/A | N/A | Yes | 1.75 |
| Wilmingto | n | | • | | • | | • | | | |
| N71 | EX14 9JR | Kerbside | 321135 | 99875 | NO ₂ | N | 0.7 | 2.7 | No | 3 |
| N85 | Wilmington (east) - Home Farm junction | Roadside | 321401 | 99949 | NO ₂ | N | 24.3 | 2.1 | No | 2.10 |

| Diffusion Tube ID | Site Name | Site Type | Ref | Y OS Grid Ref (Northing) | Monitored | In AQMA? Which AQMA? | to Relevant | to kerb of nearest | | Tube Height (m) |
|----------------------|--|-----------|--------|--------------------------------|-----------------|-------------------------------|----------------|-----------------------|----|-----------------------|
| N86 | Wilmington (west) - White Hart Inn | Roadside | 320914 | 99950 | NO ₂ | N | 41.4 | 1.5 | No | 2.35 |

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.

Table A.3 – Annual Mean NO₂ Monitoring Results (μg/m³)

| Site ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) ⁽¹⁾ | Valid Data Capture 2022 (%) ⁽²⁾ | 2018 | 2019 | 2020 | 2021 | 2022 |
|---------------------------------|-------------------------------|--------------------------------|---------------------|--|--|------|------|------|------|------|
| Honiton AURN (Dove Close) | 315749 | 99874 | Urban Background | 91.4 | 91.4 | 7.4 | 8.1 | 6.5 | 6.9 | 6.7 |
| | | | Exmouth, | Exton, Lymp | stone | | | | | |
| N01 | 300267 | 81193 | Kerbside | 100.0 | 100.0 | 19.7 | 19.2 | 15.4 | 17.3 | 15.0 |
| N02 | 302163 | 81724 | Roadside | 100.0 | 100.0 | 17.4 | 16.9 | 14.7 | 14.4 | 12.5 |
| N07 | 300087 | 80955 | Kerbside | 100.0 | 100.0 | 22.8 | 21.3 | 16.0 | 18.1 | 18.1 |
| N73 | 300294 | 83265 | Kerbside | 100.0 | 100.0 | 29.7 | 29.8 | 25.9 | 26.0 | 25.6 |
| N74 | 299931 | 84157 | Kerbside | 100.0 | 100.0 | 27.8 | 25.9 | 19.8 | 20.8 | 20.5 |
| N75 | 298425 | 86472 | Kerbside | 91.7 | 91.7 | 37.5 | 34.5 | 28.2 | 29.8 | 26.2 |
| | | | Newton Pop | , Sidford. Sid | dmouth | | | | | |
| N16 | 312665 | 87432 | Roadside | 100.0 | 100.0 | 13.3 | 12.2 | 9.7 | 9.8 | 8.9 |
| N19 | 313403 | 90074 | Roadside | 100.0 | 100.0 | 17.5 | 19.0 | 16.0 | 17.4 | 15.6 |
| N72 | 308004 | 89533 | Kerbside | 100.0 | 100.0 | 18 | 18.5 | 14.7 | 15.0 | 15.0 |
| N84 | 308632 | 89742 | Roadside | 100.0 | 100.0 | - | 19.3 | 16.4 | 16.3 | 16.5 |
| | | | Clys | st St George | | | | | | |
| N06 | 298062 | 88425 | Kerbside | 100.0 | 100.0 | 30.4 | 28.3 | 24.0 | 25.1 | 24.6 |
| N68 | 298079 | 88521 | Roadside | 100.0 | 100.0 | 31.8 | 38.5 | 22.6 | 23.0 | 23.1 |
| N59 | 298083 | 88337 | Roadside | 100.0 | 100.0 | 39.8 | 28.3 | 31.9 | 33.1 | 32.2 |
| N63_EB | 298088 | 88161 | Roadside | 100.0 | 100.0 | 32.4 | 31.6 | 26.8 | 26.6 | 24.4 |
| N80 | 297941 | 89437 | Roadside | 100.0 | 100.0 | 20.3 | 19.5 | 15.2 | 15.7 | 15.2 |
| | | | East of Exete | er - Beare, Bro | oadclyst | | | | | |
| N26 | 299102 | 93198 | Roadside | 100.0 | 100.0 | 19.5 | 18.8 | 12.3 | 12.2 | 12.6 |
| N60 | 297029 | 93140 | Roadside | 100.0 | 100.0 | 27.7 | 31.7 | 25.3 | 25.8 | 25.0 |
| N20 | 300345 | 94860 | Roadside | 91.7 | 91.7 | 12.9 | 13.3 | 10.7 | 9.8 | 9.8 |
| N22 | 301876 | 95558 | Industrial | 100.0 | 100.0 | 9.7 | 10.3 | 7.7 | 7.7 | 7.7 |
| N76 | 300283 | 95200 | Roadside | 91.7 | 91.7 | 11.4 | 11.2 | 10.5 | 13.4 | 10.4 |
| N77 | 301228 | 95665 | Roadside | 91.7 | 91.7 | 12.4 | 11.7 | 9.5 | 9.6 | 10.0 |

| Site ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) ⁽¹⁾ | Valid Data Capture 2022 (%) ⁽²⁾ | 2018 | 2019 | 2020 | 2021 | 2022 | |
|--|-------------------------------|--------------------------------|----------------|--|--|------|------|------|------|------|--|
| N78 | 299763 | 102177 | Industrial | 91.7 | 91.7 | 22.7 | 21.3 | 17.8 | 12.9 | 13.7 | |
| Clyst St Mary, Farringdon | | | | | | | | | | | |
| N13 | 297314 | 91056 | Roadside | 100.0 | 100.0 | 22.3 | 21.2 | 17.6 | 17.8 | 17.5 | |
| N63_LODGE | 297633 | 90927 | Roadside | 100.0 | 100.0 | 33.8 | 30.9 | 24.9 | 26.5 | 23.0 | |
| N64_GP | 300259 | 90712 | Roadside | 100.0 | 100.0 | 21 | 19.6 | 16.3 | 18.3 | 17.4 | |
| N65 | 300735 | 90555 | Kerbside | 100.0 | 100.0 | 31 | 28.0 | 22.9 | 24.1 | 22.6 | |
| N66 | 302491 | 90461 | Roadside | 100.0 | 100.0 | 14.1 | 12.1 | 10.5 | 10.5 | 9.6 | |
| N67 | 302420 | 90750 | Kerbside | 100.0 | 100.0 | 9.5 | 8.9 | 6.7 | 6.6 | 8.0 | |
| N81 | 297327 | 90998 | Roadside | 100.0 | 100.0 | 24.9 | 24.1 | 15.2 | 20.0 | 19.8 | |
| N82 | 298923 | 90859 | Roadside | 91.7 | 91.7 | 27.7 | 25.8 | 18.5 | 21.2 | 21.0 | |
| N83 | 299997 | 90722 | Roadside | 100.0 | 100.0 | 25.1 | 22.9 | 19.3 | 19.7 | 20.1 | |
| | | | A | xminster | | | | | | | |
| N11 | 329584 | 98464 | Roadside | 100.0 | 100.0 | 30.4 | 33.0 | 27.2 | 28.1 | 27.9 | |
| N56 | 329680 | 98550 | Roadside | 100.0 | 100.0 | 32.1 | 30.3 | 24.3 | 26.4 | 25.4 | |
| N57 | 329765 | 98554 | Kerbside | 100.0 | 100.0 | 23.5 | 22.2 | 17.7 | 19.2 | 18.4 | |
| N58 | 329789 | 98613 | Roadside | 100.0 | 100.0 | 31.1 | 31.1 | 26.0 | 28.2 | 26.5 | |
| N64_AX | 329743 | 98589 | Roadside | 100.0 | 100.0 | 23.7 | 22.4 | 18.5 | 21.6 | 19.8 | |
| Ottery, Seaton | | | | | | | | | | | |
| N14 | 324479 | 89930 | Roadside | 91.7 | 91.7 | 14.3 | 12.4 | 10.8 | 12.5 | 10.4 | |
| N10 | 309882 | 95449 | Roadside | 100.0 | 100.0 | 22.9 | 23.4 | 19.4 | 19.6 | 18.3 | |
| | | Hon | iton - West (N | ear Turks He | ad Junction |) | | | | | |
| N24 | 315097 | 100182 | Roadside | 100.0 | 100.0 | 30.6 | 30.1 | 25.1 | 25.3 | 25.9 | |
| N25 | 315087 | 100165 | Roadside | 100.0 | 100.0 | 31.7 | 29.4 | 24.5 | 26.1 | 24.6 | |
| N27 | 314875 | 100097 | Roadside | 100.0 | 100.0 | 18.6 | 17.3 | 13.3 | 14.6 | 14.3 | |
| N29 | 315114 | 100201 | Roadside | 100.0 | 100.0 | 21.3 | 18.0 | 14.7 | 15.7 | 15.3 | |
| Honiton - CENTRAL & EAST HONITON (High Street) | | | | | | | | | | | |
| N09 | 316062 | 100596 | Kerbside | 100.0 | 100.0 | 25.4 | 29.2 | 23.7 | 23.4 | 23.8 | |
| N36 | 316012 | 100653 | Kerbside | 100.0 | 100.0 | 30.3 | 31.4 | 24.3 | 25.4 | 25.9 | |
| N37 | 316102 | 100607 | Kerbside | 100.0 | 100.0 | 35.3 | 34.7 | 29.4 | 32.2 | 29.4 | |
| N44 | 316629 | 100837 | Kerbside | 100.0 | 100.0 | 25.9 | 26.4 | 22.1 | 21.7 | 22.9 | |

| Site ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) ⁽¹⁾ | Valid Data Capture 2022 (%) ⁽²⁾ | 2018 | 2019 | 2020 | 2021 | 2022 |
|---------------------------------------|-------------------------------|--------------------------------|---------------------|--|--|------|------|------|------|------|
| N45 | 316816 | 100934 | Kerbside | 100.0 | 100.0 | 34.7 | 33.1 | 26.4 | 26.5 | 27.8 |
| N46 | 316796 | 100856 | Kerbside | 100.0 | 100.0 | 42.7 | 41.5 | 33.3 | 35.2 | 32.3 |
| DEFRA AURN SITE - HONITON, DOVE CLOSE | | | | | | | | | | |
| N62a,b,c | 315745 | 99875 | Urban Background | 97.2 | 97.2 | 9.4 | 8.1 | 6.6 | 7.0 | 6.4 |
| Wilmington | | | | | | | | | | |
| N71 | 321135 | 99875 | Kerbside | 100.0 | 100.0 | 40.9 | 38.6 | 27.9 | 29.8 | 28.3 |
| N85 | 321401 | 99949 | Roadside | 100.0 | 100.0 | - | - | 22.1 | 23.0 | 22.5 |
| N86 | 320914 | 99950 | Roadside | 100.0 | 100.0 | - | - | 20.5 | 22.0 | 21.5 |

- ☑ Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG22.
- ☑ 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/m³.

Exceedances of the NO₂ annual mean objective of 40µg/m³ are shown in **bold**.

 NO_2 annual means exceeding $60\mu g/m^3$, 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" as per LAQM.TG22 if valid data capture for the full calendar year is less than 75%. See Appendix C for details.

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%).

Figure A.1 – Trends in Annual Mean NO₂ Concentrations - Exmouth, Exton, Lympstone

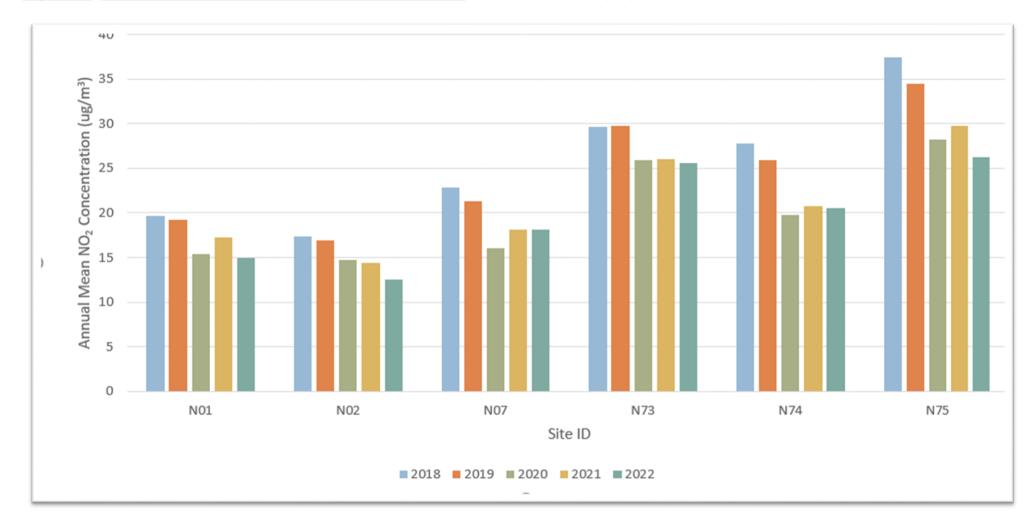


Figure A.2 – Trends in Annual Mean NO₂ Concentrations – Newton Poppleford, Sidord and Sidmouth

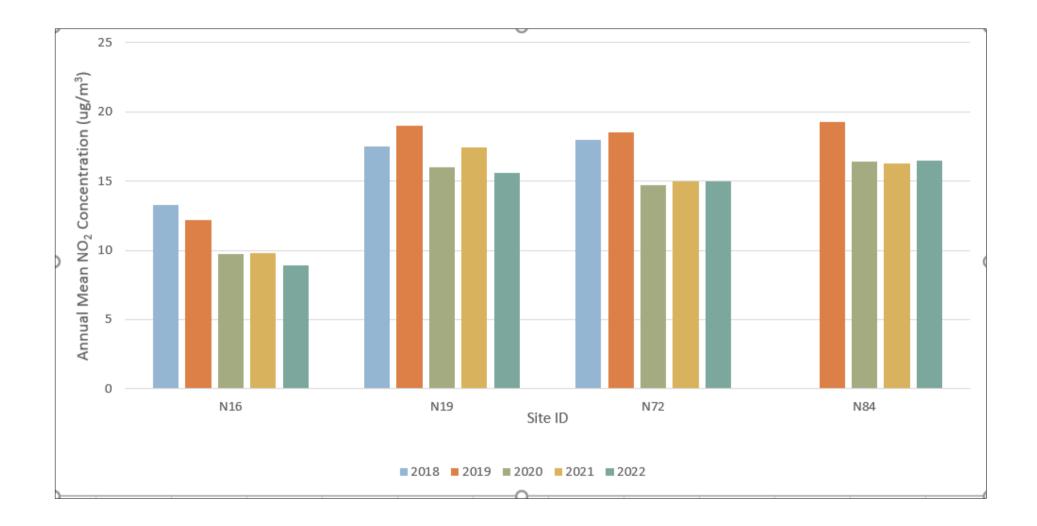


Figure A.3 - Trends in Annual Mean NO₂ Concentrations - Clyst St. George

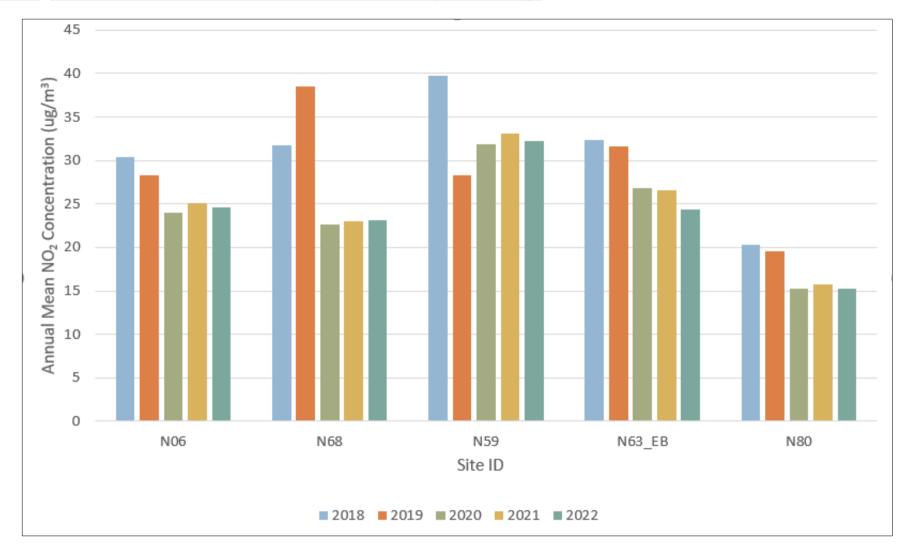


Figure A.4 – Trends in Annual Mean NO₂ Concentrations – East of Exeter, Beare and Broadclyst

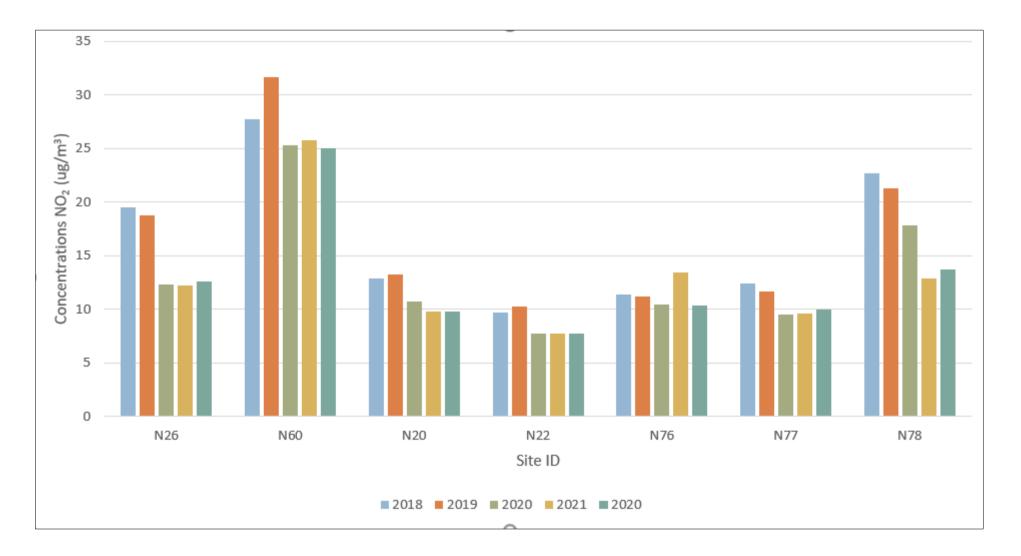


Figure A.5 – Trends in Annual Mean NO₂ Concentrations – Clyst St. Mary, Farringdon

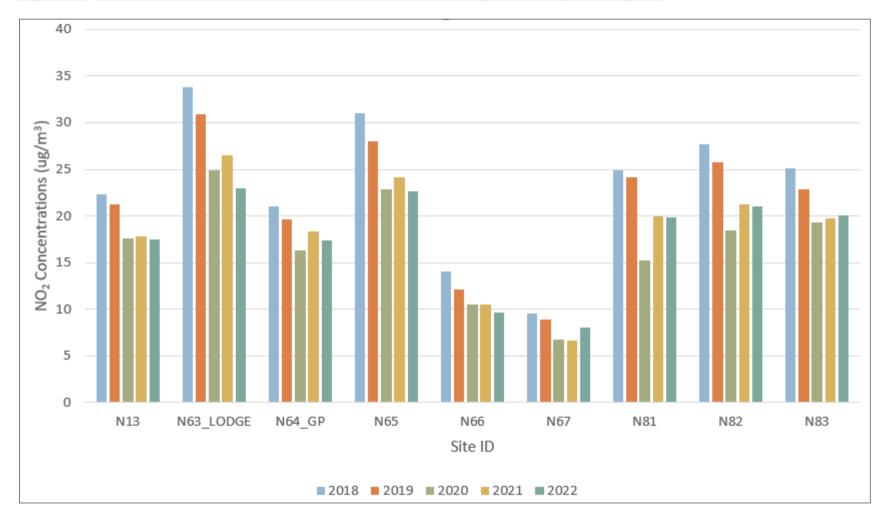


Figure A.6 – Trends in Annual Mean NO₂ Concentrations – Axminster

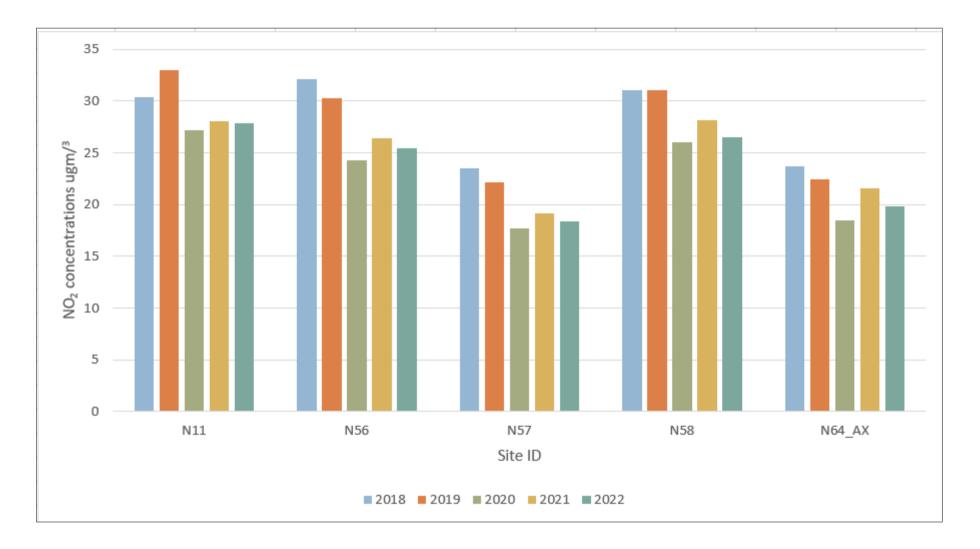


Figure A.7 – Trends in Annual Mean NO₂ Concentrations – Ottery, Seaton

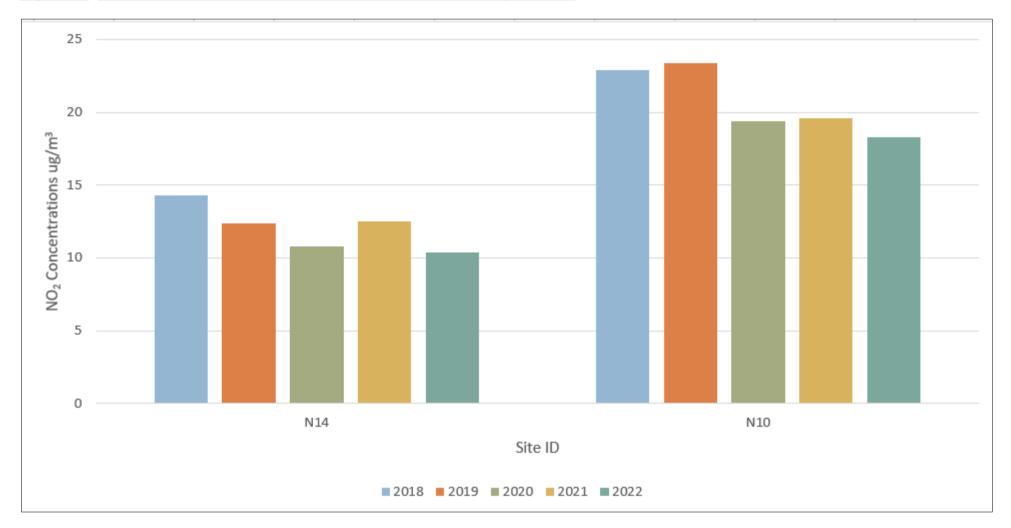


Figure A.8 – Trends in Annual Mean NO₂ Concentrations – Honiton - West (Near Turks Head Junction)

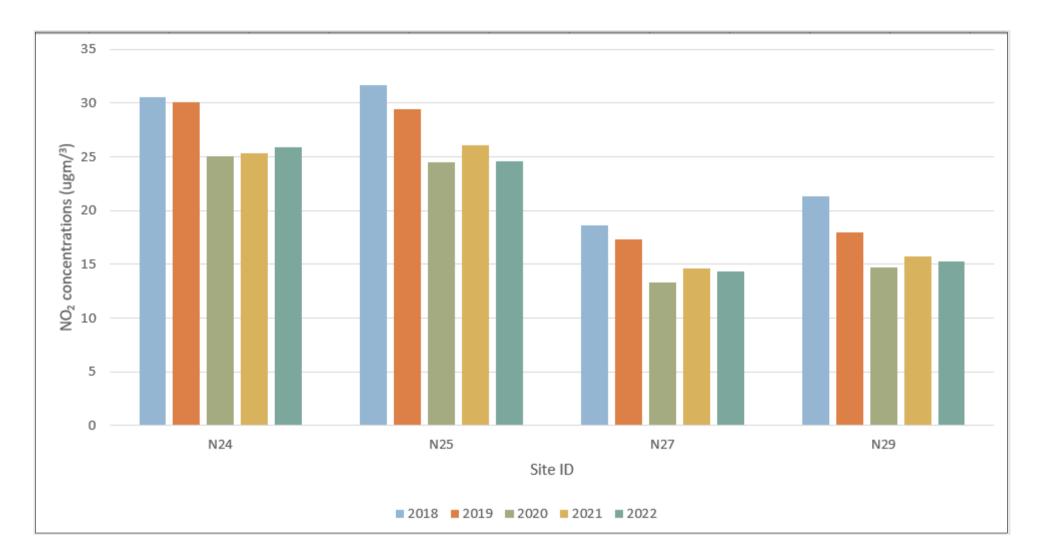


Figure A.9 – Trends in Annual Mean NO₂ Concentrations – Central and East Honiton (High Street)

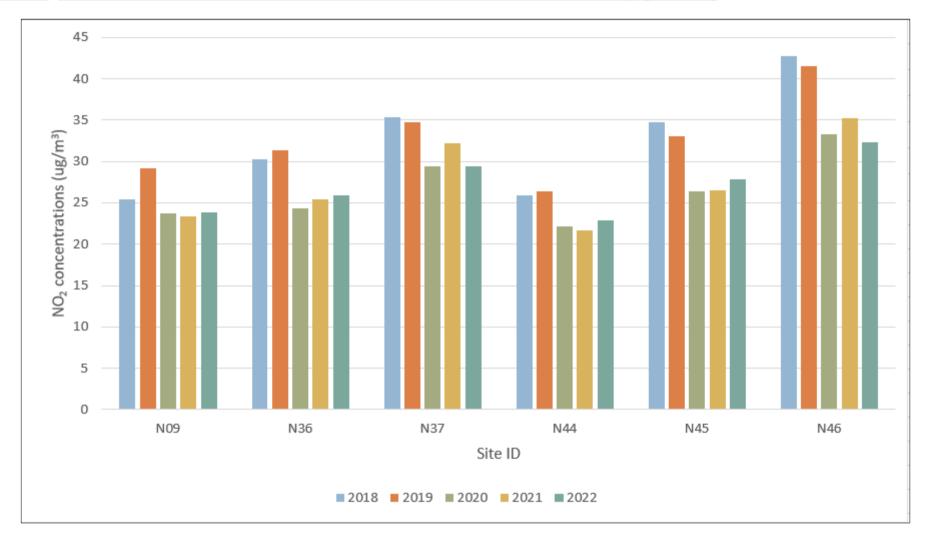


Figure A.10 - Trends in Annual Mean NO₂ Concentrations - DEFRA AURN Site: Honiton, Dove Close

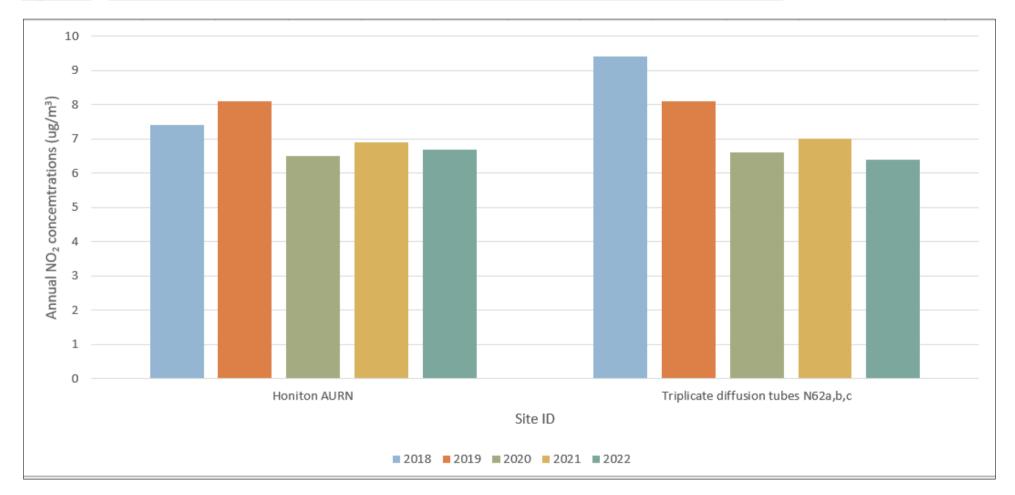
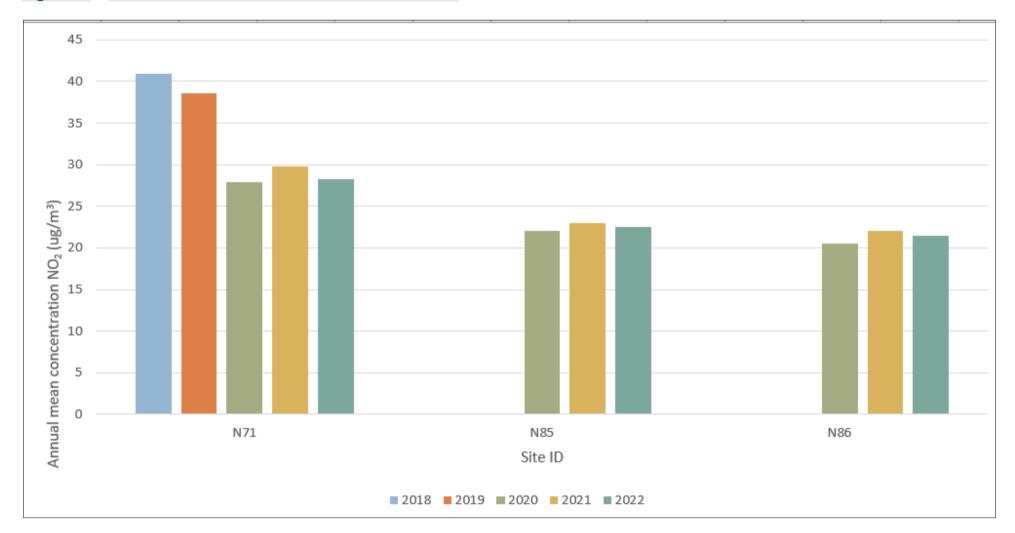


Figure A.11 - Trends in Annual Mean NO₂ Concentrations



Appendix B: Full Monthly Diffusion Tube Results for 2022

Table B.1 - NO₂ 2022 Diffusion Tube Results (µg/m³)

| DT ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual Mean: Raw Data | Annual Mean: Annualised and Bias Adjusted (0.83) | Annual Mean: Distance Corrected to Nearest Exposure | Comment |
|--------|-------------------------------|--------------------------------|------|------|------|------|--------|---------|---------|---------|--------|------|------|------|--------------------------------|---|---|---------|
| | | | | | | | Exmo | outh, E | Exton, | Lymp | stone | | | | | | | |
| N01 | 300267 | 81193 | 13.8 | 16.9 | 20.6 | 18.7 | 15.4 | 14.7 | 16.8 | 19.7 | 19.5 | 18.6 | 18.1 | 23.3 | 18.0 | 15.0 | - | |
| N02 | 302163 | 81724 | 25.7 | 17.3 | 15.0 | 5.3 | 12.5 | 11.6 | 12.8 | 12.8 | 17.5 | 12.3 | 15.8 | 21.5 | 15.0 | 12.5 | | |
| N07 | 300087 | 80955 | 25.3 | 17.1 | 28.0 | 21.2 | 18.6 | 19.2 | 20.6 | 24.7 | 23.5 | 20.8 | 17.8 | 24.5 | 21.8 | 18.1 | | |
| N73 | 300294 | 83265 | 40.1 | 25.9 | 30.0 | 30.6 | 36.5 | 26.4 | 28.8 | 31.1 | 32.0 | 29.7 | 28.6 | 29.8 | 30.8 | 25.6 | | |
| N74 | 299931 | 84157 | 27.9 | 23.8 | 26.7 | 26.1 | 10.7 | 24.7 | 26.2 | 29.0 | 25.8 | 25.6 | 27.1 | 23.2 | 24.7 | 20.5 | | |
| N75 | 298425 | 86472 | 41.9 | 30.4 | 35.2 | 36.7 | 9.8 | 31.9 | 38.0 | 42.4 | 37.5 | | 18.0 | 26.0 | 31.6 | 26.2 | | |
| | Newton Pop, Sidford. Sidmouth | | | | | | | | | | | | | | | | | |
| N16 | 312665 | 87432 | 15.2 | 9.0 | 10.1 | 9.5 | 9.5 | 8.5 | 10.0 | 10.7 | 10.7 | 8.2 | 11.4 | 15.4 | 10.7 | 8.9 | | |
| N19 | 313403 | 90074 | 25.9 | 17.6 | 16.7 | 18.0 | 16.6 | 16.5 | 16.9 | 18.3 | 15.7 | 18.1 | 22.0 | 22.5 | 18.7 | 15.6 | | |
| N72 | 308004 | 89533 | 23.4 | 18.3 | 18.6 | 15.4 | 26.5 | 12.7 | 12.3 | 16.0 | 16.0 | 19.1 | 19.8 | 18.9 | 18.1 | 15.0 | | |
| N84 | 308632 | 89742 | 25.2 | 17.8 | 18.7 | 24.8 | 20.7 | 15.1 | 15.9 | 17.8 | 19.4 | 18.2 | 23.2 | 21.8 | 19.9 | 16.5 | | |
| | | | | | | | | Clys | t St Ge | eorge | | | | | | | | |
| N06 | 298062 | 88425 | 41.9 | 26.0 | 29.0 | | 23.6 | 26.3 | 27.7 | 33.4 | 34.3 | 25.9 | | 29.6 | 29.6 | 24.6 | | |
| N59 | 298083 | 88337 | 43.7 | 33.7 | 32.5 | | 36.6 | 39.8 | 41.3 | l | 43.4 | 42.6 | 37.3 | 35.8 | 38.8 | 32.2 | | |
| N68 | 298079 | 88521 | 30.1 | 20.8 | 29.1 | 37.9 | 31.4 | 23.8 | 25.6 | 32.6 | 28.1 | 25.8 | 24.5 | 24.2 | 27.8 | 23.1 | | |
| N63_EB | 298088 | 88161 | 41.1 | 26.8 | 27.5 | 26.6 | 23.8 | 24.1 | 26.9 | 31.0 | 34.5 | 25.5 | 32.0 | 33.1 | 29.4 | 24.4 | | |
| N80 | 297941 | 89437 | 25.2 | 16.6 | 17.1 | 15.1 | 16.8 | 14.8 | 17.3 | 19.2 | 18.7 | 19.9 | 19.3 | 20.1 | 18.3 | 15.2 | | |
| | | | | | | E | ast of | Exete | r - Bea | re, Bro | oadcly | st | | | | | | |
| N26 | 299102 | 93198 | 20.0 | 14.7 | 15.3 | 13.1 | 12.6 | 12.9 | 12.1 | 15.0 | 15.8 | 16.1 | 17.4 | 17.8 | 15.2 | 12.6 | | |
| N60 | 297029 | 93140 | 39.8 | 28.3 | 31.4 | 30.6 | 23.1 | 24.2 | 27.2 | 33.0 | 33.1 | 27.9 | 29.1 | 33.3 | 30.1 | 25.0 | | |
| N20 | 300345 | 94860 | 17.7 | 13.0 | 14.2 | 8.8 | 8.2 | 7.2 | 6.5 | 12.1 | 10.5 | 14.4 | | 17.2 | 11.8 | 9.8 | | |
| N22 | 301876 | 95558 | 14.5 | 8.7 | 9.9 | 8.2 | 6.5 | 6.1 | 6.1 | 9.2 | 8.7 | 9.0 | 10.7 | 13.2 | 9.2 | 7.7 | | |
| N76 | 300283 | 95200 | 17.8 | 12.2 | | 10.3 | 13.0 | 10.3 | 9.6 | 11.8 | 10.4 | 12.0 | 12.9 | 16.9 | 12.5 | 10.4 | | |
| N77 | 301228 | 95665 | 16.1 | | 12.0 | 10.4 | 15.8 | 8.6 | 8.1 | 10.5 | 9.1 | 12.7 | 14.3 | 15.5 | 12.1 | 10.0 | | |
| N78 | 299763 | 102177 | 21.8 | 15.3 | 13.1 | 12.9 | 26.6 | 13.0 | 15.7 | 12.8 | 19.1 | | 14.8 | 16.9 | 16.5 | 13.7 | | |
| | | | 1 | | | 1 | | | | arring | | | | | | | | |
| N13 | 297314 | 91056 | 24.6 | 20.9 | 20.1 | 18.0 | 19.2 | 17.2 | 17.7 | 23.1 | 19.1 | 24.6 | 26.6 | 22.0 | 21.1 | 17.5 | | |

LAQM Annual Status Report 2023

| N63_LODGE | 297633 | 90927 | 40.3 | 29.4 | 28.5 | 26.4 | 18.1 | 22.9 | 25.2 | 27.9 | 31.1 | 24.7 | 29.0 | 29.6 | 27.8 | 23.0 | | |
|-----------|---------------------------------------|--------|------|------|------|---------|--------|---------|--------|--------|--------|--------|--------|------|------|------|--|--|
| N64_GP | 300259 | 90712 | 28.1 | 18.2 | 20.5 | 22.9 | 18.1 | 17.9 | 21.0 | 23.8 | 23.9 | 16.2 | | 19.7 | 20.9 | 17.4 | | |
| N65 | 300735 | 90555 | 38.8 | 27.4 | 28.3 | 29.9 | 9.1 | 26.4 | 26.8 | 31.0 | 28.6 | 27.0 | 29.0 | 24.1 | 27.2 | 22.6 | | |
| N66 | 302491 | 90461 | 19.5 | 11.4 | 10.9 | 11.4 | 6.0 | 9.8 | 10.8 | 11.6 | 13.7 | 8.5 | 9.9 | 14.7 | 11.5 | 9.6 | | |
| N67 | 302420 | 90750 | 12.1 | 7.1 | 9.0 | 8.0 | 24.5 | 6.7 | 7.0 | 7.9 | 7.8 | 7.6 | 7.4 | 10.7 | 9.7 | 8.0 | | |
| N81 | 297327 | 90998 | 27.3 | 25.0 | 25.0 | 18.8 | 22.2 | 18.7 | 19.2 | 27.5 | 21.4 | 27.9 | 28.5 | 24.9 | 23.9 | 19.8 | | |
| N82 | 298923 | 90859 | 33.3 | 24.8 | 25.9 | 23.9 | 22.8 | | 22.8 | 27.1 | 23.0 | 24.6 | 27.2 | 23.0 | 25.3 | 21.0 | | |
| N83 | 299997 | 90722 | 28.2 | 21.7 | 27.0 | 16.3 | 21.1 | 23.5 | 23.7 | 29.0 | 21.6 | 29.2 | 29.3 | 20.7 | 24.3 | 20.1 | | |
| | | | | | | | | A | xminst | ter | | | | | | | | |
| N11 | 329584 | 98464 | 38.0 | 29.6 | 30.7 | 32.8 | 30.6 | 30.2 | 33.9 | 38.1 | 34.9 | 33.0 | 36.6 | 35.6 | 33.7 | 27.9 | | |
| N56 | 329680 | 98550 | 41.6 | 28.4 | 28.5 | 27.1 | 27.6 | 26.2 | 31.3 | 31.3 | 35.2 | 27.1 | 32.7 | 30.6 | 30.6 | 25.4 | | |
| N57 | 329765 | 98554 | 30.7 | 21.4 | 21.4 | 19.9 | 19.9 | 18.6 | 20.1 | 22.0 | 21.4 | 22.8 | 24.1 | 23.1 | 22.1 | 18.4 | | |
| N58 | 329789 | 98613 | 41.7 | 26.8 | 32.2 | 30.6 | 28.2 | 29.5 | 32.2 | 33.1 | 34.7 | 29.0 | 32.4 | 32.3 | 31.9 | 26.5 | | |
| N64_AX | 329743 | 98589 | 32.0 | 19.3 | 26.5 | 24.0 | 22.4 | 19.1 | 22.3 | 25.2 | 23.6 | 22.1 | 24.0 | 26.5 | 23.9 | 19.8 | | |
| | Ottery, Seaton | | | | | | | | | | | | | | | | | |
| N10 | 309882 | 95449 | 27.5 | 19.7 | 21.4 | 20.9 | 19.5 | 19.4 | 19.8 | 22.3 | 20.8 | 22.1 | 26.0 | 25.0 | 22.0 | 18.3 | | |
| N14 | 324479 | 89930 | 19.3 | 11.9 | 13.0 | 13.2 | 11.2 | 9.1 | 10.7 | 11.8 | | 10.5 | 10.6 | 16.5 | 12.5 | 10.4 | | |
| | | | | | Honi | ton - C | ENTR | AL & | EAST | HONI | ON (F | ligh S | treet) | | | | | |
| N09 | 316062 | 100596 | 35.1 | 31.0 | 27.0 | 24.7 | 27.6 | 27.1 | 27.3 | 28.7 | 29.8 | 27.5 | 33.0 | 25.7 | 28.7 | 23.8 | | |
| N36 | 316012 | 100653 | 39.4 | 31.2 | 29.2 | 28.2 | 29.4 | 28.3 | 28.8 | 32.8 | 31.6 | 29.4 | 36.9 | 30.0 | 31.3 | 25.9 | | |
| N37 | 316102 | 100607 | 50.0 | 34.0 | 34.1 | 33.5 | 26.5 | 34.1 | 37.7 | 38.7 | 42.5 | 30.2 | 32.8 | 30.5 | 35.4 | 29.4 | | |
| N44 | 316629 | 100837 | 39.4 | 24.0 | 22.9 | 50.4 | 19.9 | 21.6 | 23.2 | 26.2 | 28.8 | 21.0 | 27.2 | 26.9 | 27.6 | 22.9 | | |
| N45 | 316816 | 100934 | 42.2 | 31.6 | 31.7 | 30.5 | 30.7 | 27.6 | 30.1 | 36.2 | 34.4 | 34.5 | 40.0 | 32.7 | 33.5 | 27.8 | | |
| N46 | 316796 | 100856 | 44.5 | 36.3 | 36.9 | 38.3 | 26.4 | 35.7 | 39.1 | 47.3 | 39.8 | 44.1 | 43.9 | 35.4 | 39.0 | 32.3 | | |
| | | | | | | Honito | n - We | est (Ne | ear Tu | rks He | ad Jui | nction |) | | | | | |
| N24 | 315097 | 100182 | 32.7 | 27.2 | 32.9 | 28.1 | 28.3 | 26.4 | 27.9 | 37.6 | 27.7 | 34.4 | 38.6 | 31.9 | 31.2 | 25.9 | | |
| N25 | 315087 | 100165 | 41.8 | 28.1 | 27.8 | 31.1 | 24.9 | 27.0 | 30.3 | 27.2 | 31.9 | 23.2 | 29.7 | 32.4 | 29.6 | 24.6 | | |
| N27 | 314875 | 100097 | 23.6 | 16.4 | 17.8 | 15.5 | 14.3 | 13.7 | 15.4 | 17.2 | 18.2 | 16.7 | 18.7 | 19.7 | 17.3 | 14.3 | | |
| N29 | 315114 | 100201 | 25.6 | 15.4 | 17.4 | 15.6 | 15.4 | 13.8 | 15.9 | 19.1 | 19.0 | 19.9 | 21.7 | 22.2 | 18.4 | 15.3 | | |
| | DEFRA AURN SITE - HONITON, DOVE CLOSE | | | | | | | | | | | | | | | | | |
| N62a | 315745 | 99875 | 12.0 | 7.2 | 8.1 | 7.4 | 5.7 | 5.6 | 6.3 | 7.1 | 8.0 | 7.1 | 8.5 | 10.7 | 7.8 | 6.5 | | |
| N62b | 315745 | 99875 | 13.5 | 7.7 | 7.8 | 6.5 | 5.9 | 5.8 | 6.1 | 7.3 | 8.5 | 7.0 | 8.2 | 10.6 | 7.9 | 6.6 | | |
| N62c | 315745 | 99875 | 11.4 | 7.5 | 7.7 | 7.2 | 5.7 | 5.6 | 6.0 | 6.7 | 7.9 | 6.9 | 9.7 | | 7.5 | 6.2 | | |
| | | | | | | | | Wi | lming | ton | | | | | | | | |
| N71 | 321135 | 99875 | 40.5 | 32.4 | 34.0 | 36.9 | 14.8 | 30.7 | 38.7 | 42.4 | 35.9 | 36.6 | 33.5 | 32.7 | 34.1 | 28.3 | | |
| N85 | 321401 | 99949 | 23.4 | 18.3 | | | 26.5 | | 12.3 | 16.0 | 16.0 | 19.1 | 19.8 | 18.9 | 18.1 | 15.0 | | |
| N86 | 320914 | 99950 | 33.5 | 22.5 | 25.0 | 23.2 | 25.4 | 20.6 | 26.6 | 28.7 | 29.5 | 24.3 | 26.1 | 25.5 | 25.9 | 21.5 | | |

[☑] All erroneous data has been removed from the NO₂ diffusion tube dataset presented in Table B.1.

LAQM Annual Status Report 2023

| oxtimes Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG |
|---|
|---|

- ☐ Local bias adjustment factor used.
- **☒** National bias adjustment factor used.
- ☐ Where applicable, data has been distance corrected for relevant exposure in the final column.
- ☑ EDDC confirm that all 2022 diffusion tube data has been uploaded to the Diffusion Tube Data Entry System.

Notes:

Exceedances of the NO₂ annual mean objective of 40µg/m³ are shown in **bold**.

NO₂ annual means exceeding 60µg/m³, indicating a potential exceedance of the NO₂ 1-hour mean objective are shown in **bold and underlined**. See Appendix C for details on bias adjustment and annualisation.

LAQM Annual Status Report 2023

Appendix C: Supporting Technical Information / Air Quality Monitoring Data QA/QC

New or Changed Sources Identified Within East Devon District Council During 2023

EEDD has not identified any new emission sources of significance in 2022

Additional Air Quality Works Undertaken by East Devon District Council During 2022

East Devon District Council has not completed any additional works within the reporting year of 2022.

QA/QC of Diffusion Tube Monitoring

Gradko International Ltd is a UKAS accredited laboratory and participates in laboratory performance and proficiency testing schemes. These provide strict performance criteria for participating laboratories to meet, thereby ensuring NO₂ concentrations reported are of a high calibre. The laboratory follows the procedures set out in the Harmonisation Practical Guidance and participates in the AIR proficiency-testing (AIR-PT) scheme. Defra and the Devolved Administrations advise that diffusion tubes used for LAQM should be obtained from laboratories that have demonstrated satisfactory performance in the AIR-PT scheme. Laboratory performance in the AIR-PT is also assessed by the National Physical Laboratory (NPL), alongside laboratory data from the monthly NPL Field Inter-Comparison Exercise.

The method of preparation of the diffusion tubes within EDDC was 20% TEA in water; for both 2022. Throughout both years the diffusion tube calendar was adhered too.

Diffusion Tube Annualisation

It was not necessary to carry out annualisation of any of the monitored data in 2022 with no sites having less than 91.7% data capture against a minimum of 75%

Diffusion Tube Bias Adjustment Factors

The diffusion tube data presented within the 2022 ASR have been corrected for bias using an adjustment factor. Bias represents the overall tendency of the diffusion tubes to under or over-read relative to the reference chemiluminescence analyser. LAQM.TG22 provides guidance with regard to the application of a bias adjustment factor to correct diffusion tube monitoring. Triplicate co-location studies can be used to determine a local bias factor based on the comparison of diffusion tube results with data taken from NO_x/NO₂ continuous analysers. Alternatively, the national database of diffusion tube co-location surveys provides bias factors for the relevant laboratory and preparation method.

EDDC have applied a national bias adjustment factor of 0.83 to the 2022 monitoring data. A summary of bias adjustment factors used by EDDC over the past five years is presented in Table C.1.

| National Diffusion Tube | Bias Adjus | stment | Fac | tor Spreadsheet | | | Spreadshe | et Vers | ion Numb | er: 03/23 |
|---|--|--|--------------|--|-------------------------------|---|------------------------------------|----------------|------------------------------------|-----------------------------|
| Follow the steps below in the correct ord | | | | | | | | This | spreadshe | et will be |
| Data only apply to tubes exposed monthly an | _ | | | | | | | | ted at the e | |
| Whenever presenting adjusted data, you sho | | | | | | | | | 2023 | |
| This spreadhseet will be updated every few п | | | | | ae their imm | ediate use. | | | | |
| The LAQM Helpdesk is operated on behalf of Del partners AECOM and the National Physical Labo | ra and the Devolved A | | | | Spreadsh | | by the National onsultants Ltd. | Physical | Laboratory |). Original |
| Step 1: | Step 2: | Step 3: | | | 9 | itep 4: | | | | |
| Select the Laboratory that Analyses Your Tubes from the Drop-Down List | Select a Preparation Method from the Drop-Down List | Select a Year from the Drop-Down List | | re there is only one study for a cho- ion. Where there is more than one : | study, use | | | | | |
| lf a laboratory ir notzhoun, we have no data forthir laboratory. | If a proparation mothod in not shown, we have no data for this mothod at this laboratory. | If a yoar ir not rhoun, uo havo no data ² | lf yo | u have your own co-location study then see Helpdesk at LAG | | | om or 0800 0327 | | Air Quality N | |
| Analysed By ¹ | Method | Year ⁵ Tradeque | Site Type | Local Authority | Length of Study (months | Diffusion Tube Mean Conc. (Dm) (µq/m³) | Monitor Mean Conc. (Cm) | Bias (B) | Tube Precisio n ^e | Blas Adjustmer t Factor (A) |
| Gradko | 20% TEA in Water | 2022 | R | Lisburn & Castlereagh City Council | 12 | 24 | 19 | 23.7% | G | 0.81 |
| Gradko | 20% TEA in Water | 2022 | R | Monmouthshire County Council | 12 | 35 | 28 | 23.8% | G | 0.81 |
| Gradko | 20% TEA in water | 2022 | KS | Marylebone Road Intercomparison | 12 | 52 | 42 | 22.8% | G | 0.81 |
| Gradko | 20% TEA in Water | 2022 | UB | Plymouth City Council | 12 | 18 | 18 | 3.2% | G | 0.97 |
| Gradko | 20% TEA in water | 2022 | UC | Belfast City Council | 12 | 26 | 20 | 30.7% | G | 0.76 |
| Gradko | 20% TEA in water | 2022 | R | Belfast City Council | 12 | 47 | 36 | 28.1% | G | 0.78 |
| Gradko | 20% TEA in water | 2022 | R | Belfast City Council | 12 | 25 | 22 | 14.0% | G | 0.88 |
| Gradko | 20% TEA in water | 2022 | B | Belfast City Council | 12 | 36 | 28 | 29.0% | G | 0.78 |
| Gradko | 20% TEA in water | 2022 | R | Brighton & Hove City Council | 10 | 37 | 23 | 62.8% | G | 0.61 |
| Gradko | 20% TEA in water | 2022 | UB | Hertsmere Borough Council | 12 | 16 | 15 | 7.1% | G | 0.93 |
| Gradko | 20% TEA in water | 2022 | R | Southampton City Council | 12 | 36 | 28 | 30.6% | G | 0.77 |
| Gradko | 20% TEA in water | 2022 | UC | Southampton City Council | 12 | 28 | 24 | 15.4% | G | 0.87 |
| Gradko | 20% TEA in water | 2022 | R | Southampton City Council | 12 | 34 | 31 | 8.4% | G | 0.92 |
| Gradko | 20% TEA in water | 2022 | R | Worcestershire | 11 | 13 | 12 | 4.2% | G | 0.96 |
| didako | | | | | | | | | | 0.79 |
| Gradko | 20% TEA in water | 2022 | R | Lancaster City Council | 13 | 34 | 27 | 25.8% | G | 0.13 |
| | 20% TEA in water 20% TEA in water | 2022 2022 | R R | Lancaster City Council Lancaster City Council | 13 | 34 28 | 27 | 25.8% 15.2% | G | 0.13 |

Table C.1 – Bias Adjustment Factor

| Monitoring Year | Local or National | If National, Version of National Spreadsheet | Adjustment Factor |
|-----------------|-------------------|---|-------------------|
|-----------------|-------------------|---|-------------------|

| 2022 | National | 03/23 | 0.83 |
|------|----------|-------|------|
| 2021 | National | 04/22 | 0.84 |
| 2020 | Local | - | 0.84 |
| 2019 | National | 06/18 | 1.05 |
| 2018 | National | 09/17 | 1.08 |

NO₂ Fall-off with Distance from the Road

No diffusion tube NO2 monitoring locations within East Devon District Council required distance correction during 2022

NO₂ Fall-off with Distance from the Road

Wherever possible, monitoring locations are representative of exposure. However, where this is not possible, the NO₂ concentration at the nearest location relevant for exposure has been estimated using the NO₂ fall-off with distance calculator available on the LAQM Support website. Where appropriate, non-automatic annual mean NO₂ concentrations corrected for distance are presented in Table B.1.

Appendix D: Maps of Monitoring Locations

Figure D.1 – 2023 NO2 Monitoring Locations - Exmouth, Exton and Lympstone

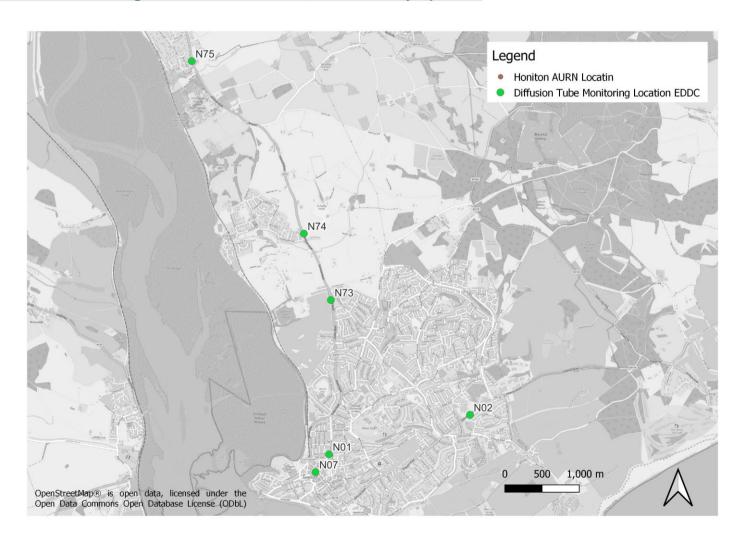


Figure D.2 – 2020/2021 NO₂ Monitoring Locations - Newton Pop, Sidford. Sidmouth



Figure D.3 – 2020/2021 NO₂ Monitoring Locations - Clyst St George





Figure D.4 – 2020/2021 NO₂ Monitoring Locations - East of Exeter, Beare, Broadclyst

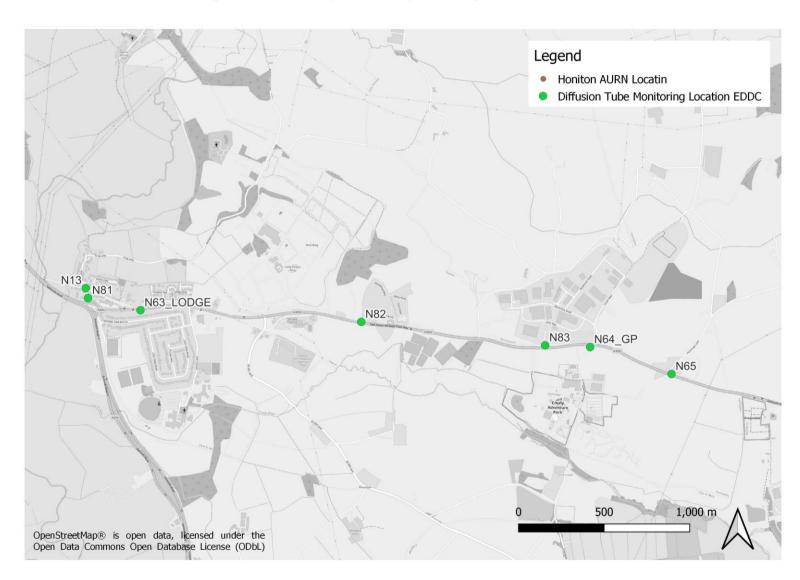


Figure D.5 – 2020/2021 NO₂ Monitoring Locations - Clyst St Mary, Farringdon

Figure D.6 – 2020/2021 NO₂ Monitoring Locations – Axminster

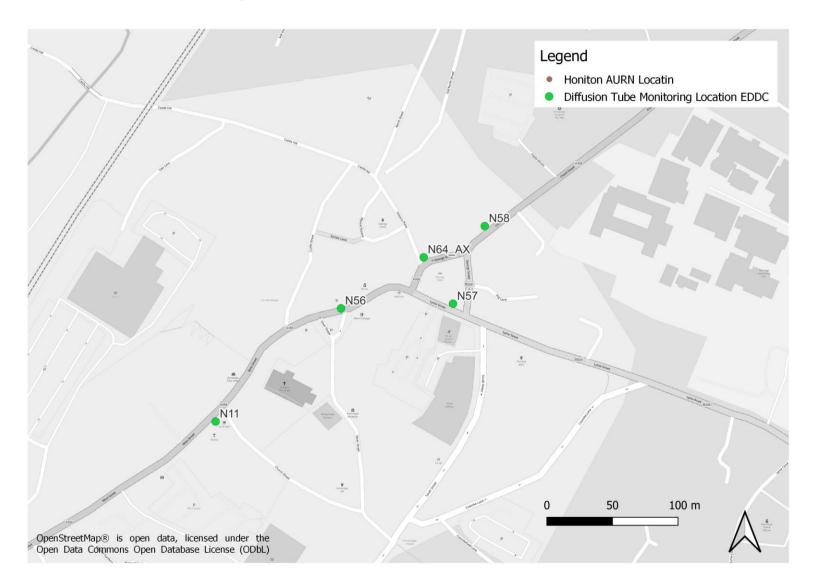


Figure D.7 – 2020/2021 NO₂ Monitoring Locations – Seaton

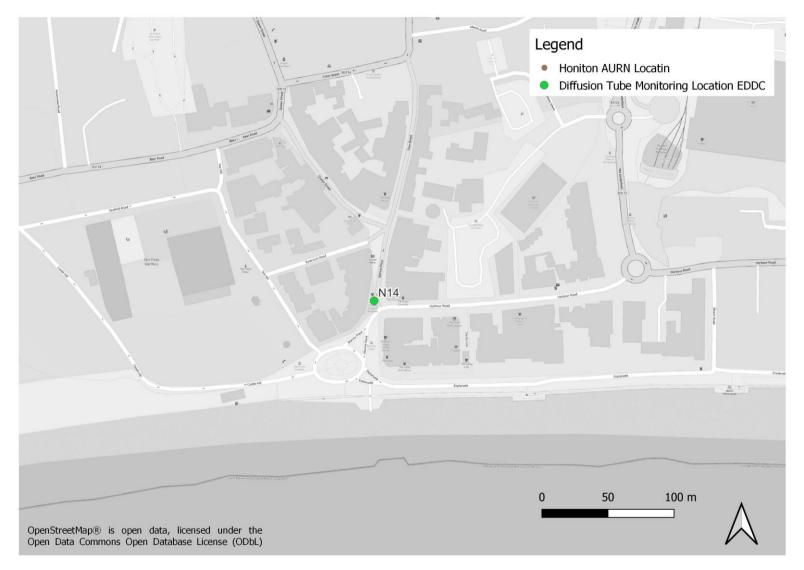


Figure D.8 – 2020/2021 NO₂ Monitoring Locations – Ottery

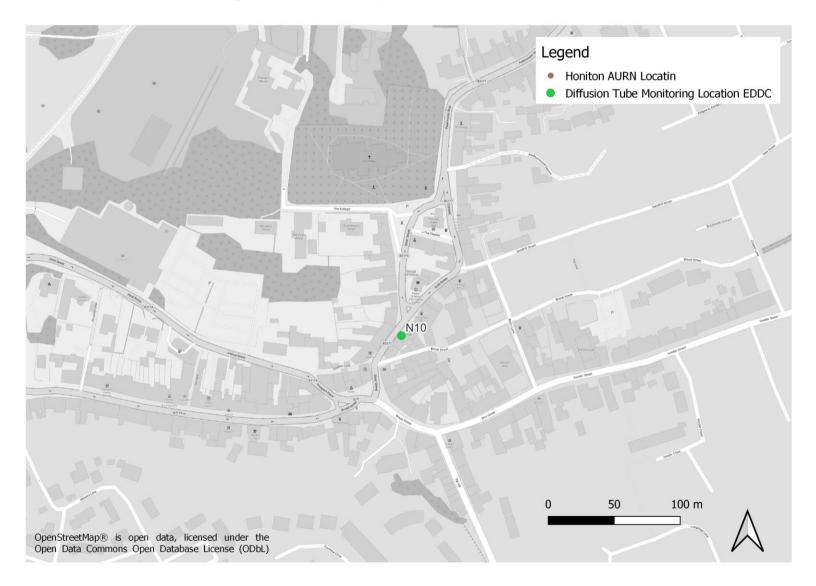
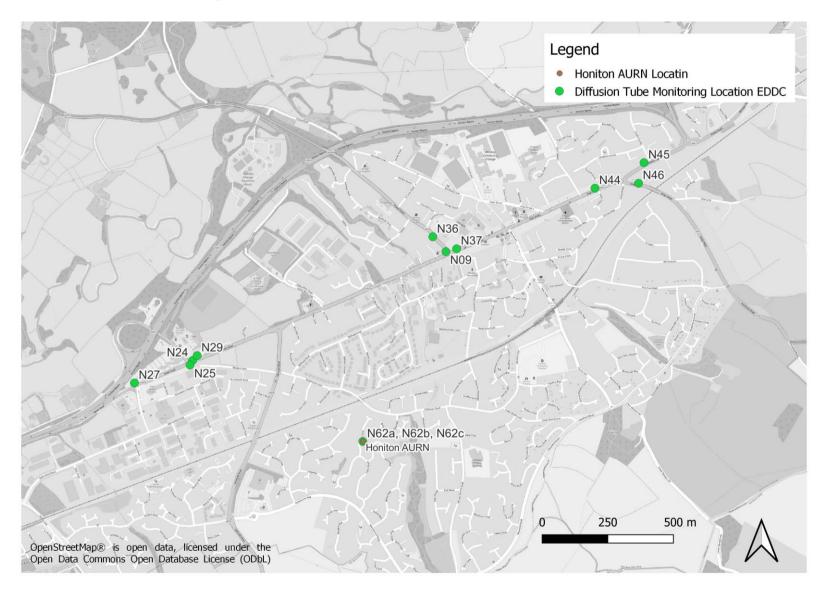


Figure D.9 – 2020/2021 NO₂ Monitoring Locations – Honiton



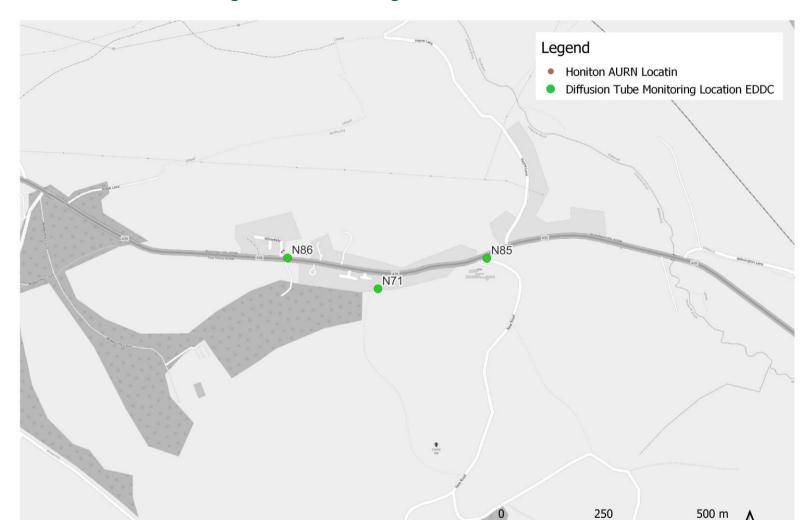


Figure D.10 – 2020/2021 NO₂ Monitoring Locations – Wilmington

OpenStreetMap® is open data, licensed under the Open Data Commons Open Database License (ODbL)

Appendix E: Summary of Air Quality Objectives in England

Table E.1 – Air Quality Objectives in England¹⁵

| Pollutant | Air Quality Objective: Concentration | Air Quality Objective: Measured as |
|--|--|--|
| Nitrogen Dioxide (NO ₂) | 200µg/m³ not to be exceeded more than 18 times a year | 1-hour mean |
| Nitrogen Dioxide (NO ₂) | 40μg/m³ | Annual mean |
| Particulate Matter (PM ₁₀) | 50µg/m³, not to be exceeded more than 35 times a year | 24-hour mean |
| Particulate Matter (PM ₁₀) | 40μg/m³ | Annual mean |
| Sulphur Dioxide (SO ₂) | 350μg/m³, not to be exceeded more than 24 times a year | 1-hour mean |
| Sulphur Dioxide (SO ₂) | 125µg/m³, not to be exceeded more than 3 times a year | 24-hour mean |
| Sulphur Dioxide (SO ₂) | 266μg/m³, not to be exceeded more than 35 times a year | 15-minute mean |

-

¹⁵ The units are in microgrammes of pollutant per cubic metre of air ($\mu g/m^3$).

Glossary of Terms

| Abbreviation | Description |
|-------------------|---|
| AQAP | Air Quality Action Plan - A detailed description of measures, outcomes, achievement dates and implementation methods, showing how the local authority intends to achieve air quality limit values' |
| AQMA | Air Quality Management Area – An area where air pollutant concentrations exceed / are likely to exceed the relevant air quality objectives. AQMAs are declared for specific pollutants and objectives |
| ASR | Annual Status Report |
| Defra | Department for Environment, Food and Rural Affairs |
| DMRB | Design Manual for Roads and Bridges – Air quality screening tool produced by National Highways |
| EU | European Union |
| FDMS | Filter Dynamics Measurement System |
| LAQM | Local Air Quality Management |
| NO ₂ | Nitrogen Dioxide |
| NOx | Nitrogen Oxides |
| PM ₁₀ | Airborne particulate matter with an aerodynamic diameter of 10µm or less |
| PM _{2.5} | Airborne particulate matter with an aerodynamic diameter of 2.5µm or less |
| QA/QC | Quality Assurance and Quality Control |
| SO ₂ | Sulphur Dioxide |
| | |

References

- Local Air Quality Management Technical Guidance LAQM.TG22. August 2022.
 Published by Defra in partnership with the Scottish Government, Welsh Assembly
 Government and Department of the Environment Northern Ireland.
- Local Air Quality Management Policy Guidance LAQM.PG22. August 2022.
 Published by Defra in partnership with the Scottish Government, Welsh Assembly Government and Department of the Environment Northern Ireland.
- East Devon 2020 & 2021 ASR
- East Devon 2019 ASR
- East Devon 2018 ASR
- Public Health England. Air Quality: A Briefing for Directors of Public Health, 2017
- Defra. Air quality and social deprivation in the UK: an environmental inequalities analysis, 2006
- Defra. Air quality appraisal: damage cost guidance, July 2021
- Public Health England. Estimation of costs to the NHS and social care due to the health impacts of air pollution: summary report, May 2018
- Defra. Clean Air Strategy, 2019
- DfT. The Road to Zero: Next steps towards cleaner road transport and delivering our Industrial Strategy, July 2018
- https://www.earthsense.co.uk/zephyr
- Devon Wide Personal Exposure Reduction Project Report https://committees.exeter.gov.uk/documents/s52642/AirQualityMonitoringRep
 ort.pdf
- The Devon Low-Carbon Energy & Transport Technology Innovator (DELETTI) programme
- EV (Electric Vehicle) Charging in Car Parks East Devon