



2023 Air Quality Annual Progress Report (APR) for **Argyll and Bute Council**

In fulfilment of Part IV of the Environment Act 1995, as amended by the Environment Act 2021

Local Air Quality Management

June 2023

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Executive Summary: Air Quality in Our Area

Air Quality in Argyll an Bute

Air quality in Argyll and Bute is considered to be generally very good and complies with all the air quality objectives listed in Table 1.1. The Council has not identified any areas where air quality objectives may be under threat and where specific action is required to improve air quality. Monitoring during 2022 showed slight reductions in annual average nitrogen dioxide (NO₂) concentration compared to levels in 2021

There is therefore no requirement to undertake a Detailed Assessment for any pollutant.

Argyll and Bute is an authority with over 73% of its area classified as remote¹ and a widely distributed population. Helensburgh is the only town with a population greater than 10,000 and industries tend to be geographically diverse and related to the natural assets of the area. Forestry and agriculture are prevalent inland, whilst in coastal areas there are a number of distilleries, aquaculture and fishing businesses. Large scale industry is absent and this is reflected by the low number and nature of industries regulated by SEPA under the Pollution Prevention and Control regime. Tourism makes a significant and important contribution to the Argyll and Bute economy and is responsible for higher summer-time traffic flows in some areas.

The shift to install small to medium-sized biomass boilers at commercial premises has continued. Technical details supporting planning applications are subject to scrutiny and evaluation in accordance with guidance to ensure that air quality objectives should not be compromised.

National modelling of sources of nitrogen dioxide (NO₂) and fine particulates⁷ show that background concentrations are very low. In the absence of industry hotspots, the major potential source of pollution that may impact on resident's health is transportation. However, traffic flows tend to reflect the low density dispersed population. Nitrogen dioxide levels have been monitored at locations in a network of town centres for more than 10 years. This monitoring has shown a trend of low and decreasing NO₂.

Challenges, highlighted through the COVID-19 response in the 2021 APR, identified an action to review of the Council's NO₂ monitoring program. This had the remit to review monitoring locations and arrangements for undertaking the monthly changeover, and was completed in December 2021. As a result the number of monitoring locations were reduced, retaining only those in the busiest town centres with relevant exposure. Procedures were also improved and arrangements for tube changeover were enhanced.

Current monitoring summary

- Monitoring locations within Helensburgh and Oban were identified during the 2021 review, as best representing the highest likelihood of relevant exposure to traffic related NO₂ emissions. Monitoring during 2022 showed a slight decrease in the annual mean at locations in Helensburgh. Measured annual trends in Figures 3 and 4 (Appendix A) show that NO₂ levels are well below the annual objective, and that trends in the data over the last twelve years are decreasing
- Monitoring activity in Oban was affected by resourcing difficulties and there is insufficient data collected during 2022 to enable calculation of an annual mean for the Oban locations. Action has been taken to resolve this situation, but the impact on the APR is considered minimal as previous years monitoring have shown that NO₂ levels are well below the annual objective, and that trends in the data over the last fifteen years are decreasing. .

Actions to Improve Air Quality

Where opportunities exist the Council supports initiatives such as the multi-agency Argyll Timber Transport Forum which aims to minimise the environmental impact of timber transport between forest and mill. This is achieved through the use of dedicated off-highway transport routes and sea transport via the TimberLINK network. The TimberLINK service ships up to 100,000 tonnes of timber a year from the Argyll ports of Ardrishaig, Campbeltown, Sandbank and temporary facilities to wood processing plants in Ayrshire. This removes around 8,000 lorry journeys (or nearly one million lorry miles) a year from roads between Argyll and Ayrshire, including tourist routes in Argyll and roads within the Greater Glasgow conurbation.

The Council works in Partnership with Transport Scotland, Highlands and Islands Transport Partnership (HITRANS) and Strathclyde Partnership for Transport (SPT) to secure funding to install electric vehicle charging infrastructure across the region and to

improve accessibility to public transport services with the aim of reducing the dependence on vehicles powered by fossil fuels.

Local Priorities and Challenges

Although the Council does not face any specific challenges in relation to air quality, the current regulatory system does not fully control the potential emissions from smaller biomass boilers and stoves which often fall out with the development planning system. In the Cleaner Air for Scotland 2 (CAFS2) deliver plan, published in July 2021, the Scottish Government's objectives for domestic (household) burning are to encourage cleaner fuels and stove efficiency, introduce controls on the most polluting fuels, and update existing controls on domestic burning. Their key medium term actions (to 2024) in this respect are to work with SEPA and local government on what changes are needed to the current permitted development rights for flues for woodburning stoves and biomass boilers. The Council looks forward to the outcomes of this work, leading to better regulation of these combustion sources, and associated benefits for public health through improved local air quality.

The key actions for the Council in 2023 are to complete the NO₂ monitoring program and to consider the strategic approach to local air quality, promoted by the Scottish Government for Local Authorities without local air quality management areas.

How to Get Involved

The Council publishes a report summarising the results of its air quality monitoring. Copies can be downloaded at <https://www.argyll-bute.gov.uk/planning-and-environment/air-pollution-and-local-air-quality>

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1 Local Air Quality Management

This report provides an overview of air quality in Argyll and Bute Council during 2022. 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 pursuit of the objectives. This Annual Progress Report (APR) summarises the work being undertaken by Argyll and Bute Council to improve air quality and any progress that has been made.

Table 1.1 – Summary of Air Quality Objectives in Scotland

Pollutant	Air Quality Objective Concentration	Air Quality Objective Measured as	Date to be Achieved by
Nitrogen dioxide (NO ₂)	200 µg/m ³ not to be exceeded more than 18 times a year	1-hour mean	31.12.2005
Nitrogen dioxide (NO ₂)	40 µg/m ³	Annual mean	31.12.2005
Particulate Matter (PM ₁₀)	50 µg/m ³ , not to be exceeded more than 7 times a year	24-hour mean	31.12.2010
Particulate Matter (PM ₁₀)	18 µg/m ³	Annual mean	31.12.2010
Particulate Matter (PM _{2.5})	10 µg/m ³	Annual mean	31.12.2021
Sulphur dioxide (SO ₂)	350 µg/m ³ , not to be exceeded more than 24 times a year	1-hour mean	31.12.2004
Sulphur dioxide (SO ₂)	125 µg/m ³ , not to be exceeded more than 3 times a year	24-hour mean	31.12.2004
Sulphur dioxide (SO ₂)	266 µg/m ³ , not to be exceeded more than 35 times a year	15-minute mean	31.12.2005
Benzene	3.25 µg/m ³	Running annual mean	31.12.2010
1,3 Butadiene	2.25 µg/m ³	Running annual mean	31.12.2003
Carbon Monoxide	10.0 mg/m ³	Running 8-Hour mean	31.12.2003

2 Actions to Improve Air Quality

2.1 Air Quality Management Areas

Air Quality Management Areas (AQMA) are declared when there is an exceedance or likely exceedance of an air quality objective. After declaration, the authority must prepare publish and implement an Air Quality Action Plan (AQAP) within the shortest possible time and no later than 12 months of the date of AQMA Designation Order. The AQAP must set out measures the local authority intends to put in place in pursuit of the objectives within the shortest possible time Measures should be provided with milestones and a final date for completion. The action plan itself should have a timescale for completion and for revocation of the AQMA. Where measures to reduce air pollution may require a longer timescale an action plan shall be reviewed and republished within five years of initial publication and then five-yearly thereafter.

Argyll and Bute Council currently does not have any AQMAs.

2.2 Cleaner Air for Scotland 2

[Cleaner Air for Scotland 2 – Towards a Better Place for Everyone \(CAFS2\)](#) is Scotland's second air quality strategy. CAFS2 sets out how the Scottish Government and its partner organisations propose to further reduce air pollution to protect human health and fulfil Scotland's legal responsibilities over the period 2021 – 2026. CAFS2 was published in July 2021 and replaces [Cleaner Air for Scotland – The Road to a Healthier Future \(CAFS\)](#), which was published in 2015. CAFS2 aims to achieve the ambitious vision for Scotland "to have the best air quality in Europe". A series of actions across a range of policy areas are outlined, a summary of which is available on the Scottish Government's website.

Progress by Argyll and Bute Council against relevant actions for which local authorities are the lead delivery bodies within this strategy is demonstrated below.

2.2.1 Placemaking – Plans and Policies

Local authorities with support from the Scottish Government will assess how effectively air quality is embedded in plans, policies, City Deals and other initiatives, and more generally in cross departmental working, identifying and addressing evidence, skills, awareness and operational gaps.

Argyll and Bute Council has policies on Placemaking in the Proposed Argyll and Bute Local Development Plan 2⁽¹¹⁾. The Plan doesn't have specific policies on Air Quality or detail specific air quality initiatives within Placemaking policies. However Placemaking policies in areas such as building design, active travel and transport relate directly to sustainability and climate change mitigation within which improving air quality is implicit.

For example Argyll and Bute Council actively work to deliver the Scottish Government Placed Based policy approach which is based on creating and supporting 20 min neighbourhoods with a focus on encouraging a more sustainable and greener approach to living. The Council also actively promotes Shop Local working closely with local businesses and oversees the Argyll and Bute Love local gift card scheme [Argyll and Bute loves local business \(argyll-bute.gov.uk\)](https://argyll-bute.gov.uk/argyll-and-bute-loves-local-business)

2.2.2 Transport – Low Emission Zones

Local authorities working with Transport Scotland and SEPA will look at opportunities to promote zero-carbon city centres within the existing LEZs structure.

Argyll and Bute Council as a predominantly rural local authority doesn't have the association of high traffic density within urban conurbations which characterise poor air quality in many of our cities. Argyll and Bute Council will continue to work towards short and medium term outcomes for transport within the CAFS2 led by Regional and National strategies, including outcomes relating to avoiding unnecessary travel, promoting active travel and reducing transport emissions.

Argyll and Bute Council has no Low Emission Zones established within the Local Authority area.

2.2.3 National Park Authority

Argyll and Bute Council area includes a proportion of Loch Lomond and the Trossachs National Park. The National Park Authority undertakes some typical local authority functions within its boundaries such as being the Planning Authority, and have responded positively to previous consultations on Local Air Quality Management. The Park Authority has cited relevant initiatives within its Local Development Plan to understand current emissions, and reduce the need to travel to and within the National Park by car. They have recently developed planning guidance on Sustainable and Active Travel and are working with communities in developing their Rural 20 minute neighbourhood model. A pilot study to create a relevant approach and resource available for Argyll and Bute communities has been undertaken and research recently commissioned to assess and appraise Sustainable Travel and Modal Shift.

2.3 Implementation of Air Quality Action Plan(s) and/or measures to address air quality

Argyll and Bute Council currently does not have any AQMAs, and therefore does require an Air Quality action plan.

3 Air Quality Monitoring Data and Comparison with Air Quality Objectives

3.1 Summary of Monitoring Undertaken

3.1.1 Automatic Monitoring Sites

This section sets out what monitoring has taken place and how local concentrations of the main air pollutants compare with the objectives.

Argyll and Bute Council does not undertake any automatic (continuous) monitoring within the authority's area.

3.1.2 Non-Automatic Monitoring Sites

Argyll and Bute Council undertook non- automatic (passive) monitoring of NO₂ at 5 sites during 2022. Table A.1 in Appendix A shows the details of the sites.

Maps showing the location of the monitoring sites are provided in Figures 1 and 2. Further details on Quality Assurance/Quality Control (QA/QC) and bias adjustment for the diffusion tubes are included in Appendix C.

3.2 Individual Pollutants

Argyll and Bute Council's monitoring programme reflects the previous outcomes of assessment reports which identified nitrogen dioxide as a pollutant to monitor.

A review of the Council's air quality monitoring programme was carried out at the end of 2021. This review resulted in a rationalisation of the programme including a reduction of monitoring locations and improved procedures for undertaking the monthly changeover.

Monitoring locations within Helensburgh and Oban were identified during the 2021 review, as best representing the highest likelihood of relevant exposure to traffic related NO₂ emissions.

Monitoring during 2022 showed a slight decrease in the annual mean at locations in Helensburgh. The measured annual trends in Figures 3 and 4 shows that NO₂ levels are well below the annual objective, and that trends in the data over the last twelve years are falling.

Monitoring activity in Oban was affected by staffing issues during 2022. Although monitoring activity continued throughout the year changeover dates were frequently missed providing lengthy exposure periods which were not aligned with the DEFRA changeover calendar. Giving due regard to the processes available (for time waiting and annualisation), there are limitations in using data from the Oban monitoring locations. As a result confidence in the use of data was considered insufficient and an annual mean for these locations was not calculated.

Previous years monitoring has shown decreasing concentrations at all 3 Oban monitoring locations over the last 15 years, well below the air quality objective. There is no indication that circumstances in terms of vehicle emissions will have changed sufficiently to alter this trend in Oban. Resolution of staffing issues will ensure monitoring in Oban will continue through 2023.

The air quality monitoring results presented in this section are, where relevant, adjusted for annualisation and bias. Further details on adjustments are provided in Appendix C.

3.2.1 Nitrogen Dioxide (NO₂)

Table A.2 in Appendix A compares the ratified and adjusted monitored NO₂ annual mean concentrations for the past five years with the air quality objective of 40 µg/m³.

For diffusion tubes, the full 2022 dataset of monthly mean values is provided in Appendix B.

The results show that for Helensburgh sites the bias adjusted annual mean concentrations of NO₂ continue to be well below the annual objective. These sites have been monitored continuously for more than 12 years allowing trends to be shown. Figures 3 and 4 (Appendix A) show continuing downward trend in annual average NO₂ concentrations.

3.2.2 Particulate Matter (PM₁₀)

Argyll and Bute Council does not monitor Particulate Matter.

3.2.3 Particulate Matter (PM_{2.5})

Argyll and Bute Council does not monitor Particulate Matter.

3.2.4 Sulphur Dioxide (SO₂)

Argyll and Bute Council does not monitor for SO₂.

3.2.5 Carbon Monoxide, Lead and 1,3-Butadiene

Argyll and Bute Council does not monitor carbon monoxide, lead or 1,3 butadiene.

4 New Local Developments

Since the publication of the 2022 Annual Progress Report⁴ there have been no developments which may affect air quality as characterised by guidance LAQM TG16⁵.

4.1 Road Traffic Sources

Argyll and Bute Council confirms that there are no roads or features in the following list that are new or newly identified that would require further assessment:

- Narrow congested streets with residential properties close to the kerb.
- Busy streets where people may spend one hour or more close to traffic.
- Roads with a high flow of buses and/or HGVs.
- Junctions.
- New roads constructed or proposed
- Roads with significantly changed traffic flows.
- Bus or coach stations.

4.2 Other Transport Sources

Argyll and Bute Council confirms that there none of the following that are new or newly identified that would warrant further assessment:

- Airports.
- Locations where diesel or steam trains are regularly stationary for periods of 15 minutes or more, with potential for relevant exposure within 15m.
- Locations with a large number of movements of diesel locomotives, and potential long-term relevant exposure within 30m.
- Ports for shipping.

4.3 Industrial Sources

Argyll and Bute Council confirms that there none of the following that are new or newly identified that would warrant further assessment:

- Industrial installations: new or proposed installations for which an air quality assessment has been carried out.
- Industrial installations: existing installations where emissions have increased substantially or new relevant exposure has been introduced.
- Industrial installations: new or significantly changed installations with no previous air quality assessment.
- Major fuel storage depots storing petrol.
- Petrol stations.
- Poultry farms.

4.4 Commercial and Domestic Sources

No new assessments of biomass boilers (>50kW) were received for developments during 2021.

Argyll and Bute Council confirms that there are no new risks of objectives being exceeded due to individual installations or the combined impacts of multiple biomass/domestic combustion installations.

4.5 New Developments with Fugitive or Uncontrolled Sources

There are a number of new un-metalled access roads associated with forestry extraction or windfarm construction that are of a temporary nature and are hard surfaced with graded and rolled aggregate. These roads are of a standard suitable for road-going vehicles and are invariably remote, inherently damp and do not threaten to cause breaches of PM₁₀ or PM_{2.5} objectives.

The Council does not propose to carry out individual assessments of these sources unless particular circumstances indicate that it would be appropriate.

5 Planning Applications

No significant planning application with a potential air quality impact and subject to an air quality assessment was submitted in 2022.

6 Conclusions and Proposed Actions

6.1 Conclusions from New Monitoring Data

The graphs in Figures 3 and 4 (Appendix A) continue to show a long-term falling trend in NO₂ levels in Helensburgh (diffusion tube monitoring) well below the annual mean objective. There is therefore no requirement to undertake a Detailed Assessment.

6.2 Conclusions relating to New Local Developments

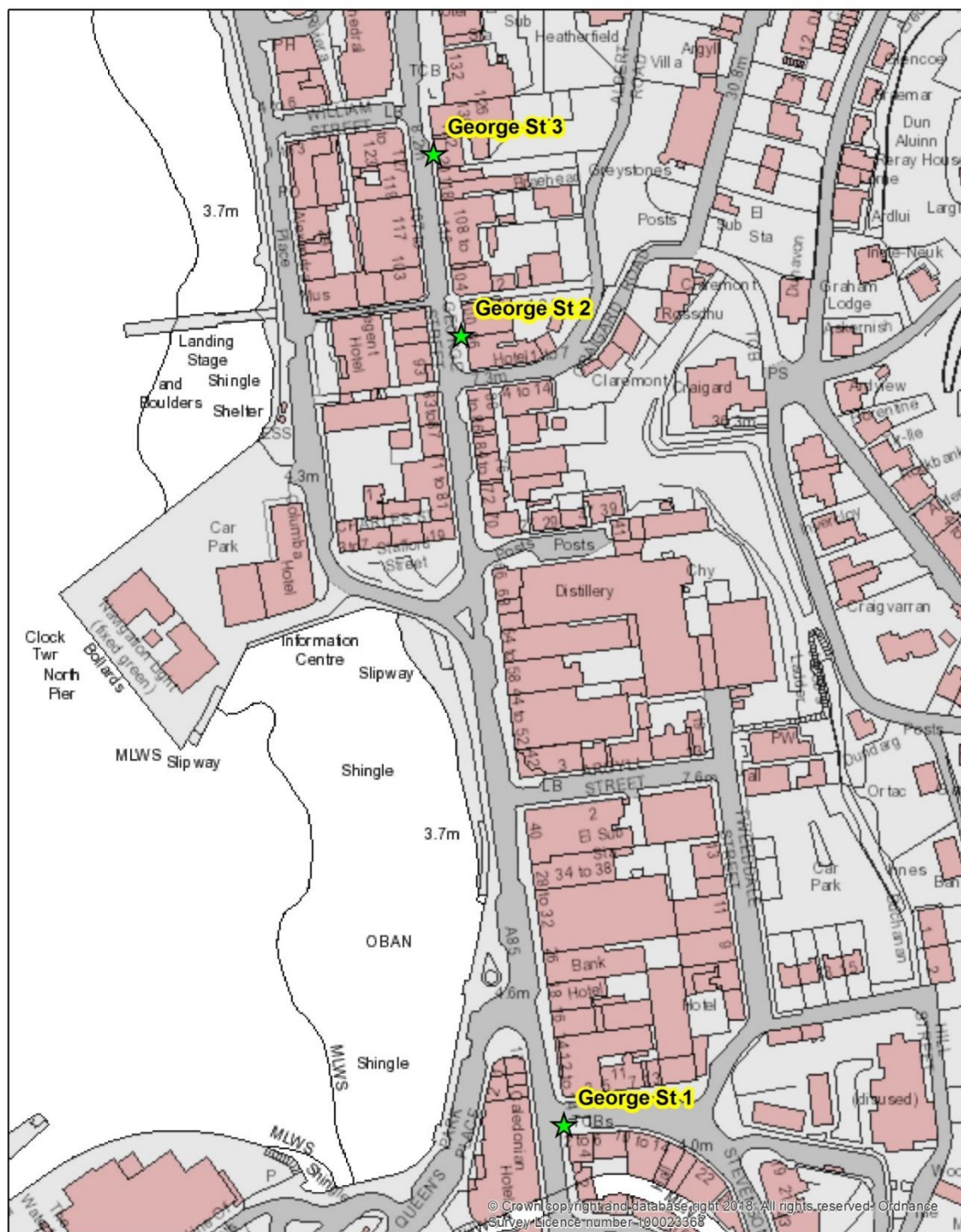
There were no developments during 2022 which contained proposals with potential to introduce new exceedances of relevant objectives or introduce new relevant public exposure.

6.3 Proposed Actions

Monitoring during 2022 was undertaken at locations in Oban and Helensburgh. There is relatively high local traffic flow through these towns and the building heights and layout provide a topography which could concentrate ambient pollution levels. In Helensburgh monitoring confirmed that levels of atmospheric NO₂ continue to be well below the air quality objective. In Oban staffing issues affected monitoring activity which led to insufficient data being collected. However previous monitoring has shown decreasing concentrations at all 3 Oban monitoring locations over the last 15 years, well below the air quality objective. There is no indication that circumstances during 2022, in terms of vehicle emissions, will have changed sufficiently to alter this trend in Oban. Resolution of staffing issues will ensure monitoring in Oban will continue through 2023.

Therefore no actions, to reduce NO₂ concentrations, are required to meet this objective.

Monitoring at locations in Helensburgh and Oban will continue in 2023. Results of monitoring and other air quality assessment work will be presented in the next Annual Progress Report due in June 2024.





Oban NO2 Tubes

Figure 2 Monitoring locations in Oban

Appendix A: Monitoring Results

Table A.1 – Details of Non-Automatic Monitoring Sites

Site ID	Site Name	Site Type	X OS Grid Ref	Y OS Grid Ref	Pollutants Monitored	In AQMA? Which AQMA?	Distance to Relevant Exposure (m) ⁽¹⁾	Distance to kerb of nearest road (m) ⁽²⁾	Tube co-located with a Continuous Analyser?	Tube Height (m)
N1	George Street 1, Oban	Roadside	185921	729942	NO ₂	N/A	5	2	No	2.5
N2	George Street 2, Oban	Roadside	185880	730253	NO ₂	N/A	0	5	No	2
N3	George Street 3, Oban	Roadside	185870	730317	NO ₂	N/A	0	5	No	2
N8	East Princes St, Helensburgh	Roadside	229919	682287	NO ₂	N/A	4	2	No	2.5
N10	Sinclair Street Helensburgh	Roadside	229675	682442	NO ₂	N/A	0	3	No	2.5

Notes:

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

(2) N/A if not applicable.

Table A.2 – Annual Mean NO₂ Monitoring Results (µg/m³)

Site ID	Site Type	Monitoring Type	Valid Data Capture for Monitoring Period (%) ⁽¹⁾	Valid Data Capture 2022 (%) ⁽²⁾	2018	2019	2020	2021	2022
N1	Roadside	Diffusion Tube		8.3	20.1	21.4	14.0	19	
N2	Roadside	Diffusion Tube		8.3	22.2	20.1	15.2	20.5	
N3	Roadside	Diffusion Tube		16.6	20.8	21.9	16.1	18.3	
N8	Roadside	Diffusion Tube		75	10.9	12.3	10.3	10	9.24
N10	Roadside	Diffusion Tube		75	15	15.5	10.9	14.1	13

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**.

Means for diffusion tubes have been corrected for bias. All means have been “annualised” as per LAQM.TG(22) if valid data capture for the full calendar year is less than 75%. See Appendix C for details.

(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%).

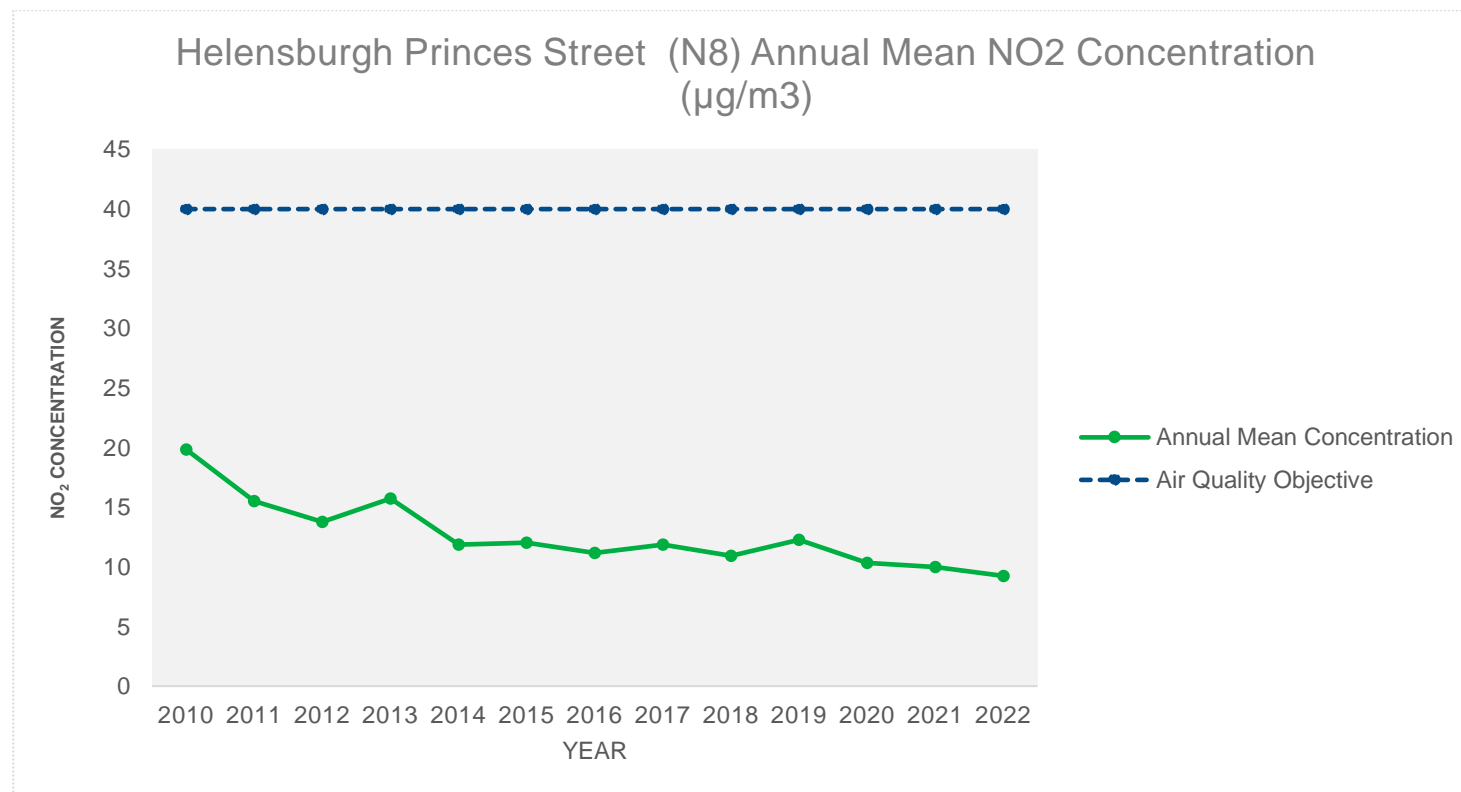


Figure 3 Annual mean NO₂ concentrations for site N8 Helensburgh 2010 to 2022

This chart shows a drop in annual mean concentrations from 19.8µg/m³ in 2010 to 9.24µg/m³ in 2022. It shows a long-term falling trend in annual mean concentrations at this location. All annual mean NO₂ concentrations in this period are well below the annual mean objective.

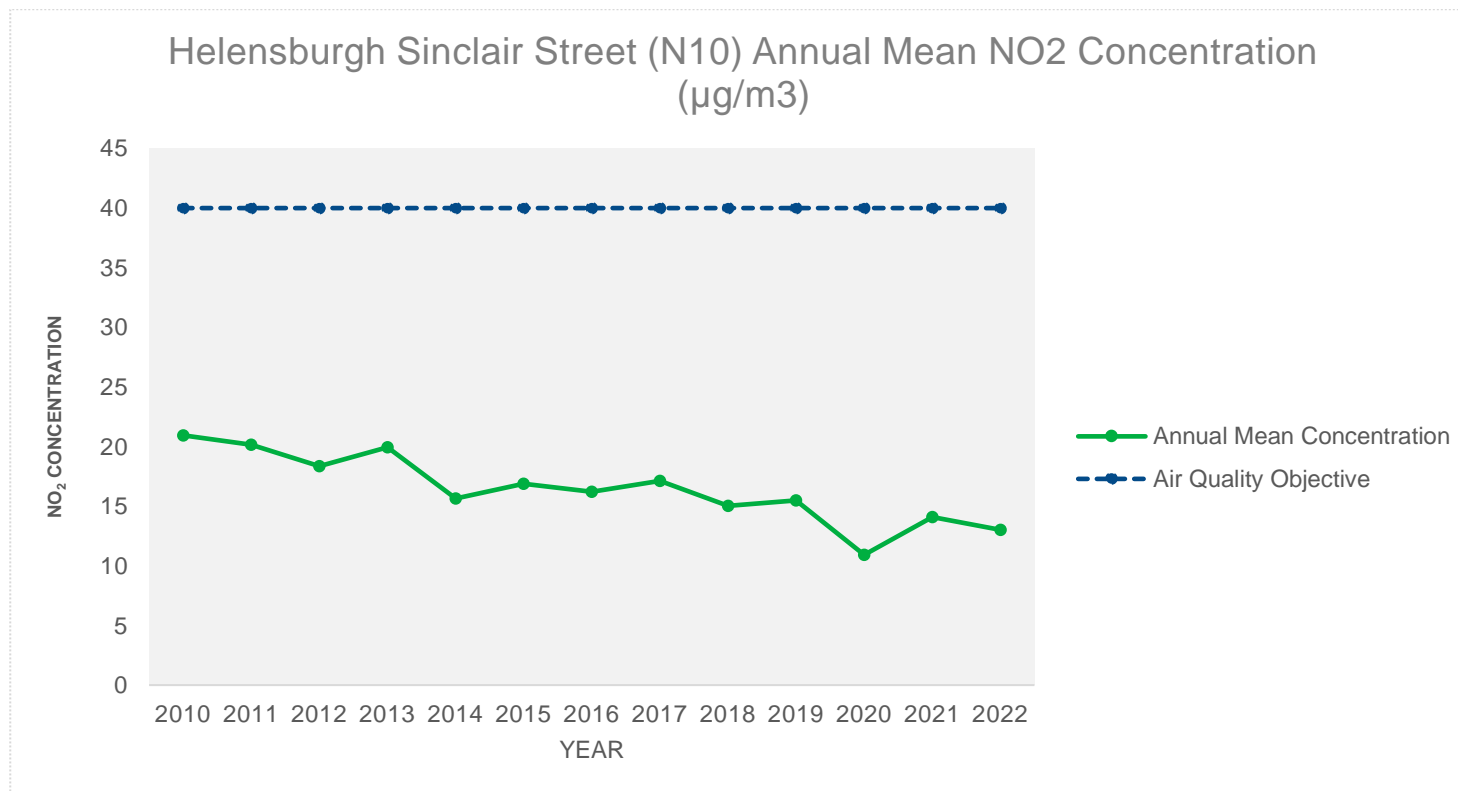


Figure 4 Annual mean NO₂ concentrations for site N10 Helensburgh 2010 to 2022.

This chart shows a drop in annual mean concentrations from 20.9µg/m³ in 2010 to 15.5µg/m³ in 2019. In 2020 there is a drop to 10.9µg/m³ and then a rise to 14.1µg/m³ in 2021, related to Covid-19 response. In 2022 there is a drop to 13 µg/m³. It shows a long-term falling trend in pre-Covid annual mean concentrations at this location. All annual mean NO₂ concentrations in this period are well below the annual mean objective.

Appendix B: Full Monthly Diffusion Tube Results for 2022

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

Site ID	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean: Raw Data	Annual Mean: Bias Adjusted ⁽¹⁾
N1	-	-	-	22.7	-	-	-	-	-	-	-	-		
N2	-	-	-	-	-	-	-	-	-	-	17.5	-		
N3	-	-	-	14.0	-	-	-	-	-	-	21.1	-		
N8	10.7	-	-	-	6	5.3	5.4	5.8	8.8	7.2	11.5	18.3	8.8	9.2
N10	17	-	-	-	9.9	8.3	9	5.8	9.7	12.3	14.3	25	12.4	13

Notes:

(1) See Appendix C for details on bias adjustment

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

New or Changed Sources Identified Within Argyll and Bute Council During 2022

Argyll and Bute Council has not identified any new sources relating to air quality within the reporting year of 2022.

Additional Air Quality Works Undertaken by Argyll and Bute Council During 2022

Argyll and Bute Council has not completed any additional works within the reporting year of 2022.

QA/QC of Diffusion Tube Monitoring

The NO₂ diffusion tubes are supplied and analysed by Glasgow Scientific Services (GSS) and prepared by using 20% TEA in water. The duration of exposure is normally the 4/5 week period suggested by the calendar provided by Defra. GSS have adopted the procedures for preparation and analysis contained in the document "Diffusion Tubes for Ambient NO₂ Monitoring:- Practical Guidance." Section 3 of this document also provides the basis for the operation of the Council's diffusion tube network

GSS have advised they have accreditation for the analysis of exposed tubes and the cleaning and re-use of the tubes. Before deploying any re-used tubes they carry out quality control assessments to ensure they have been properly cleaned.

GSS participate in the NPL intercomparison exercise, and also the LGC proficiency testing (AIR NO₂ PT).

A national bias adjustment factor of 1.05¹⁰ (for GSS laboratory) was applied to the annual mean NO₂ concentrations for 2022.

No local co-location studies in Argyll and Bute were available to produce local bias adjustment factors.

Diffusion Tube Annualisation

All diffusion tube monitoring locations within Argyll and Bute Council recorded data capture of 75%, or below 25%, therefore it was not required to annualise any monitoring data.

Diffusion Tube Bias Adjustment Factors

Argyll and Bute Council have applied a national bias adjustment factor of 1.05 to the 2022 monitoring data. A summary of bias adjustment factors used by Argyll and Bute Council over the past five years is presented in Table C.1.

Table C.1 – Bias Adjustment Factor

Year	Local or National	If National, Version of National Spreadsheet	Adjustment Factor
2022	National	v03/23	1.05
2021	National	v06_22	1.12
2020	National	v06_21	0.95
2019	National	v03_20	0.86
2018	National	v0319	0.86

NO₂ Fall-off with Distance from the Road

No diffusion tube NO₂ monitoring locations within Argyll and Bute Council required distance correction during 2022.

Glossary of Terms

Abbreviation	Description
AQAP	Air Quality Action Plan - A detailed description of measures, outcomes, achievement dates and implementation methods, showing how the LA 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
APR	Air quality Annual Progress Report
AURN	Automatic Urban and Rural Network (UK air quality monitoring network)
Defra	Department for Environment, Food and Rural Affairs
DMRB	Design Manual for Roads and Bridges – Air quality screening tool produced by Highways England
FDMS	Filter Dynamics Measurement System
LAQM	Local Air Quality Management
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
PM ₁₀	Airborne particulate matter with an aerodynamic diameter of 10µm (micrometres or microns) 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

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