

Air Quality Report

Produced by AQDM on behalf of Harborough
KIBWORTH A6 2023

Fully ratified by AQDM to the LAQM TG22 standards using the AURN methodology

Site Environment and Description

Leicester Road, Kibworth Harcourt

ROADSIDE [Map](#) [Photo](#) [Dashboard](#)

Statistical Summary Report

This 2023 report contains all the statistics required for the LAQM reporting.

Daily Air Quality Index (DAQI)

The table below shows the duration within the bands of the Daily Air Quality Index (DAQI).
The DAQI was introduced by Defra in January 2012 and revised April 2013.

DAQI Pollutant	Moderate	High	Very High
Nitrogen Dioxide	0 hours	0	0

Air Quality Exceedances of the AQS Objectives

NO₂ - annual data capture was 99.9 %

The annual mean was 29.0 µg m⁻³ which did not exceed the 40 µg m⁻³ Objective.

The maximum hourly mean was 167.0 µg m⁻³ so there were no exceedances of the NO₂ hourly limit of 200 µg m⁻³. There is an annual allowance of 18 hours so the Objective was not exceeded.

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Air Quality Statistics

Pollutant	NO ₂	NO	NO _x
Number Very High #	0	-	-
Number High #	0	-	-
Number Moderate #	0	-	-
Number Low #	8748	-	-
Maximum 15-min mean	214.2 µg m ⁻³	343.5 µg m ⁻³	702.0 µg m ⁻³
Maximum hourly mean	167.0 µg m ⁻³	307.0 µg m ⁻³	637.8 µg m ⁻³
Maximum running 8-hr mean	107.2 µg m ⁻³	150.4 µg m ⁻³	336.0 µg m ⁻³
Maximum running 24-hr mean	87.4 µg m ⁻³	99.1 µg m ⁻³	239.2 µg m ⁻³
Maximum daily mean	80.5 µg m ⁻³	93.8 µg m ⁻³	224.4 µg m ⁻³
Average	29.0 µg m ⁻³	21.4 µg m ⁻³	61.8 µg m ⁻³
Data capture	99.9 %	99.9 %	99.9 %

Daily Air Quality Index (DAQI) as defined by COMEAP January 2012 and revised April 2013

Mass units for the gases are at 20°C and 1013mb

NO_x mass units are NO_x as NO₂ µg m⁻³

Air Quality Exceedances

Pollutant	Air Quality (England) Regulations 2000 & (Amendment) Regulations 2002	Max Conc	Number	Days	Allowed	Exceeded
Nitrogen Dioxide	Annual mean > 40 µg m ⁻³	29.0 µg m ⁻³	0	-	-	No
Nitrogen Dioxide	Hourly mean > 200 µg m ⁻³	167.0 µg m ⁻³	0	0	18 hours	No

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Monthly Data Captures %

Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide	99.6	100.0	99.9	100.0	100.0	99.6	99.9	99.9	99.7	100.0	100.0	99.9

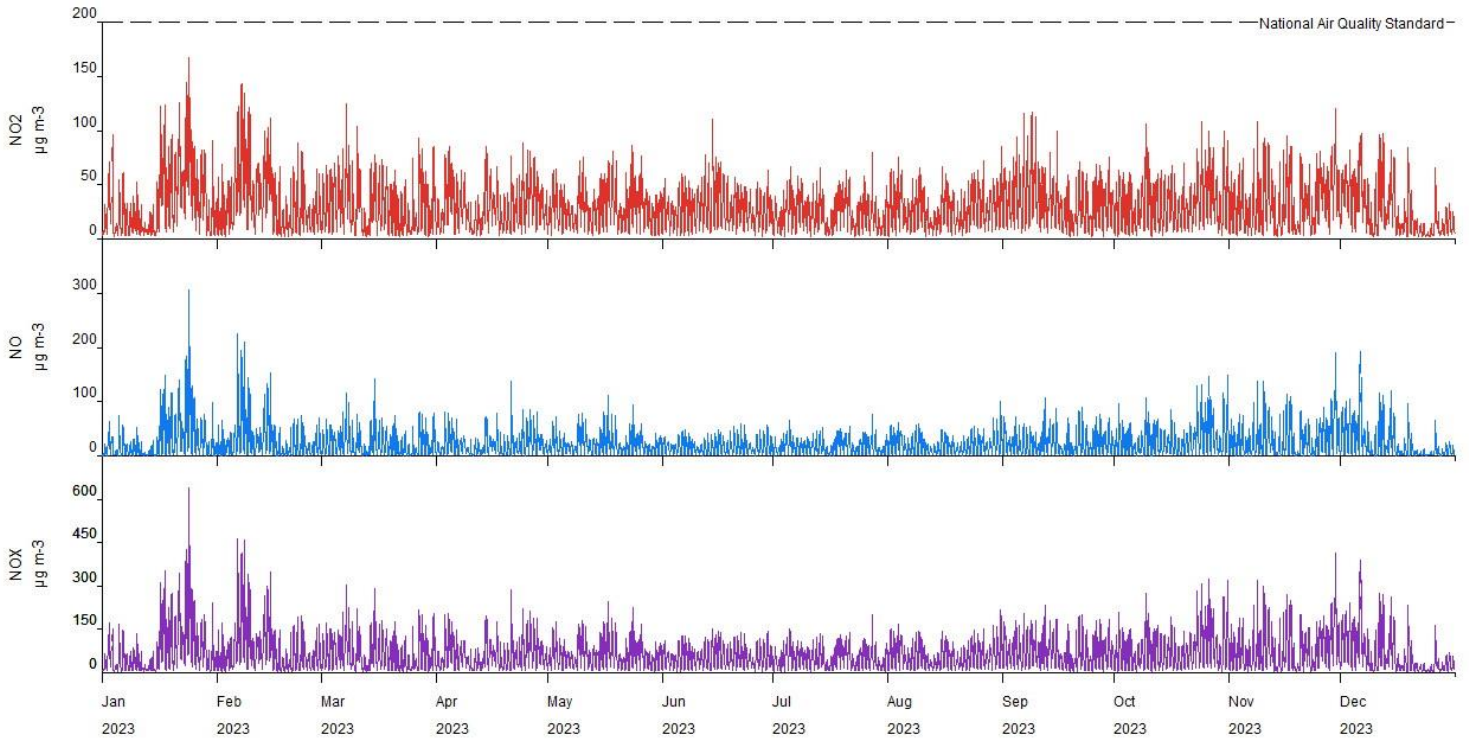
Monthly Means

Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide $\mu\text{g m}^{-3}$	31.9	34.1	28.3	28.8	27.1	27.7	22.9	26.9	32.9	32.3	31.9	24.3

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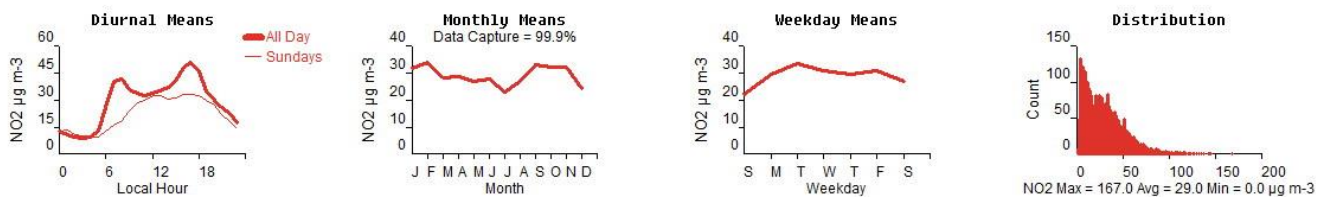
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Hourly Means



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