

# Air Quality Report

Produced by AQDM on behalf of Harborough

## KIBWORTH A6 2022

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

### Site Environment and Description

ROADSIDE: Leicester Road, Kibworth Harcourt

[Map](#)

[Photo](#)

[Dashboard](#)

### Statistical Summary Report

This 2022 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

**NO<sub>2</sub>** - annual data capture was 99.8 %

The annual mean was 31  $\mu\text{g m}^{-3}$  which did not exceed the 40  $\mu\text{g m}^{-3}$  Objective.

The maximum hourly mean was 147  $\mu\text{g m}^{-3}$  so there were no exceedances of the NO<sub>2</sub> hourly limit of 200  $\mu\text{g m}^{-3}$ . There is an annual allowance of 18 hours so the Objective was not exceeded.

# Air Quality Report

KIBWORTH A6 2022

## Air Quality Statistics

Pollutant	NO <sub>2</sub>	NO	NO <sub>x</sub>
Number Very High #	0	-	-
Number High #	0	-	-
Number Moderate #	0	-	-
Number Low #	8746	-	-
Maximum 15-min mean	191 µg m <sup>-3</sup>	732 µg m <sup>-3</sup>	1218 µg m <sup>-3</sup>
Maximum hourly mean	147 µg m <sup>-3</sup>	315 µg m <sup>-3</sup>	631 µg m <sup>-3</sup>
Maximum running 8-hr mean	110 µg m <sup>-3</sup>	167 µg m <sup>-3</sup>	353 µg m <sup>-3</sup>
Maximum running 24-hr mean	85 µg m <sup>-3</sup>	109 µg m <sup>-3</sup>	240 µg m <sup>-3</sup>
Maximum daily mean	81 µg m <sup>-3</sup>	103 µg m <sup>-3</sup>	231 µg m <sup>-3</sup>
Average	31 µg m <sup>-3</sup>	23 µg m <sup>-3</sup>	67 µg m <sup>-3</sup>
Data capture	99.8 %	99.8 %	99.8 %

# 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<sub>x</sub> mass units are NO<sub>x</sub> as NO<sub>2</sub> µg m<sup>-3</sup>

## 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 <sup>-3</sup>	31 µg m <sup>-3</sup>	0	-	-	No
Nitrogen Dioxide	Hourly mean > 200 µg m <sup>-3</sup>	147 µg m <sup>-3</sup>	0	0	18 hours	No

# Air Quality Report

KIBWORTH A6 2022

## Monthly Data Captures %

Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide	99.5	100.0	100.0	99.3	99.9	100.0	100.0	100.0	99.6	100.0	100.0	99.9

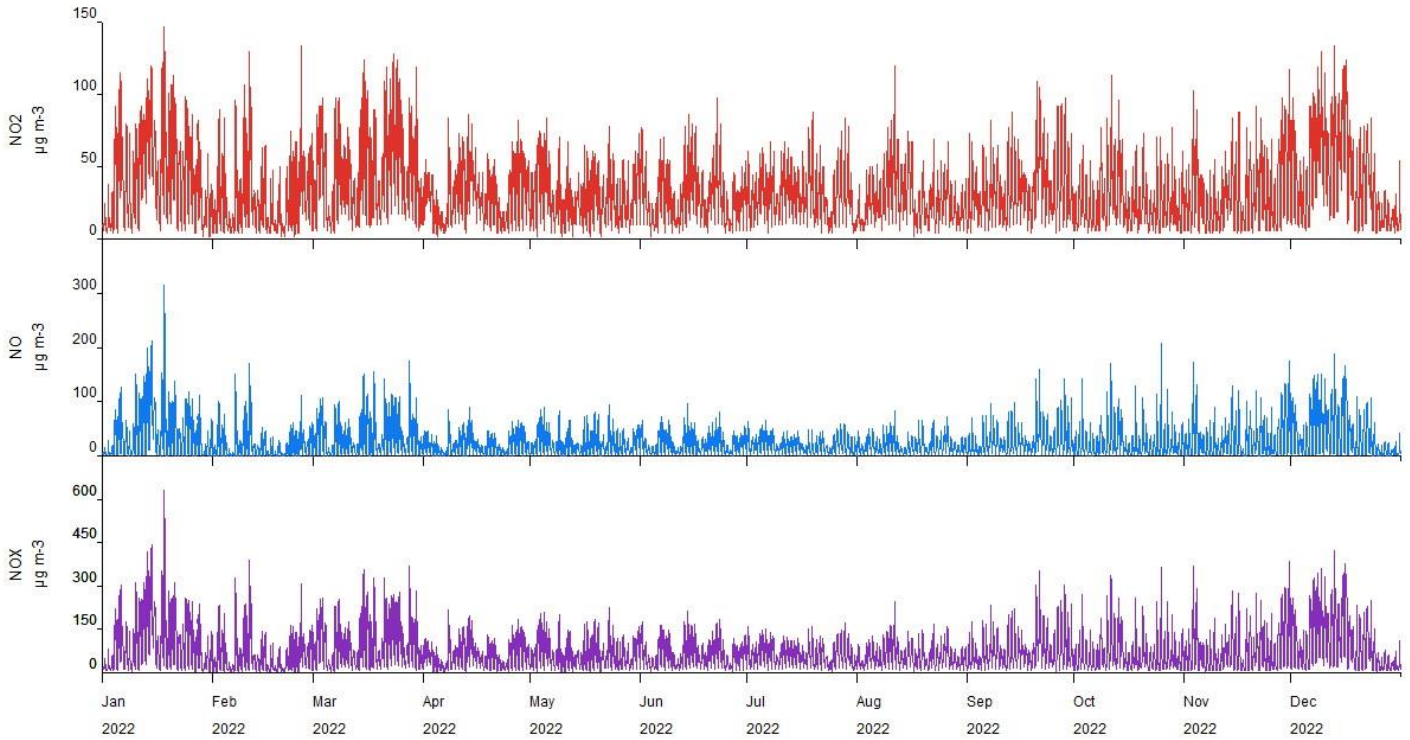
## Monthly Means

Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide $\mu\text{g m}^{-3}$	38	24	40	28	26	27	29	27	34	27	31	40

# Air Quality Report

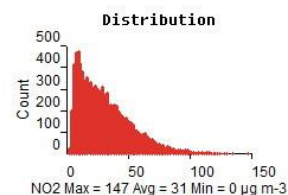
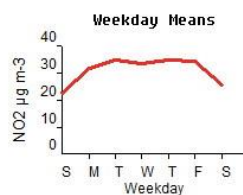
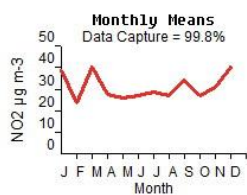
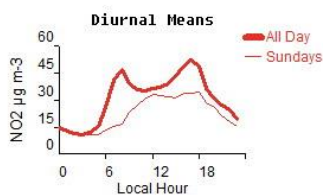
## KIBWORTH A6 2022

### Hourly Means



# Air Quality Report

## KIBWORTH A6 2022



Kibworth A6 Air Quality Report produced by:

Geoff Broughton

Air Quality Data Management (AQDM)

Tel: 01235 559761

[Geoff.Broughton@aqdm.co.uk](mailto:Geoff.Broughton@aqdm.co.uk)

<http://www.aqdm.co.uk>

<http://uk.linkedin.com/pub/geoff-broughton/22/187/87/>

<http://www.UKAirQuality.net>