

Air Quality Report

Produced by AQDM on behalf of Harborough

HARBOROUGH KIBWORTH A6 2020

These data have been fully ratified by AQDM to the LAQM (TG16) standards

Site Environment and Description

ROADSIDE: Leicester Road, Kibworth Harcourt

Statistical Summary Report

This 2020 report contains all the statistics required for the LAQM reporting.

First table – Air Quality Statistics

The top four lines show the duration within the bands of the Daily Air Quality Index (DAQI). This was introduced by Defra in January 2012 and revised April 2013. The number of occasions within each band is summarised as follows.

DAQI Pollutant	Moderate	High	Very High
NO ₂	0 hours	0	0

Data Captures

The annual data captures are shown on the bottom line. These were above the 85% target.

Second table – Air Quality Exceedences

NO₂ – annual data capture was 98.6 %

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 159 $\mu\text{g m}^{-3}$ so there were no exceedences of the NO₂ hourly limit of 200 $\mu\text{g m}^{-3}$. There is an annual allowance of 18 hours so this Objective was not exceeded.

Air Quality Report

HARBOROUGH KIBWORTH A6 2020

Air Quality Statistics

Pollutant	NO ₂	NO	NO _x
Number Very High #	0	-	-
Number High #	0	-	-
Number Moderate #	0	-	-
Number Low #	8661	-	-
Maximum 15-min mean	249 µg m ⁻³	619 µg m ⁻³	1054 µg m ⁻³
Maximum hourly mean	159 µg m ⁻³	407 µg m ⁻³	755 µg m ⁻³
Maximum running 8-hr mean	115 µg m ⁻³	196 µg m ⁻³	393 µg m ⁻³
Maximum running 24-hr mean	84 µg m ⁻³	115 µg m ⁻³	257 µg m ⁻³
Maximum daily mean	82 µg m ⁻³	114 µg m ⁻³	251 µg m ⁻³
Average	31 µg m ⁻³	22 µg m ⁻³	64 µg m ⁻³
Data capture	98.6 %	98.6 %	98.6 %

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 Exceedences

Pollutant	Air Quality (England) Regulations 2000 & (Amendment) Regulations 2002	Max Conc	Number	Days	Allowed	Exceeded
Nitrogen Dioxide	Annual mean > 40 µg m ⁻³	31 µg m ⁻³	0	-	-	No
Nitrogen Dioxide	Hourly mean > 200 µg m ⁻³	159 µg m ⁻³	0	0	18 hours	No

Air Quality Report

HARBOROUGH KIBWORTH A6 2020

Monthly Data Captures %

Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide	98.0	99.9	99.9	99.9	99.9	99.7	87.1	100.0	99.7	99.9	99.9	99.7

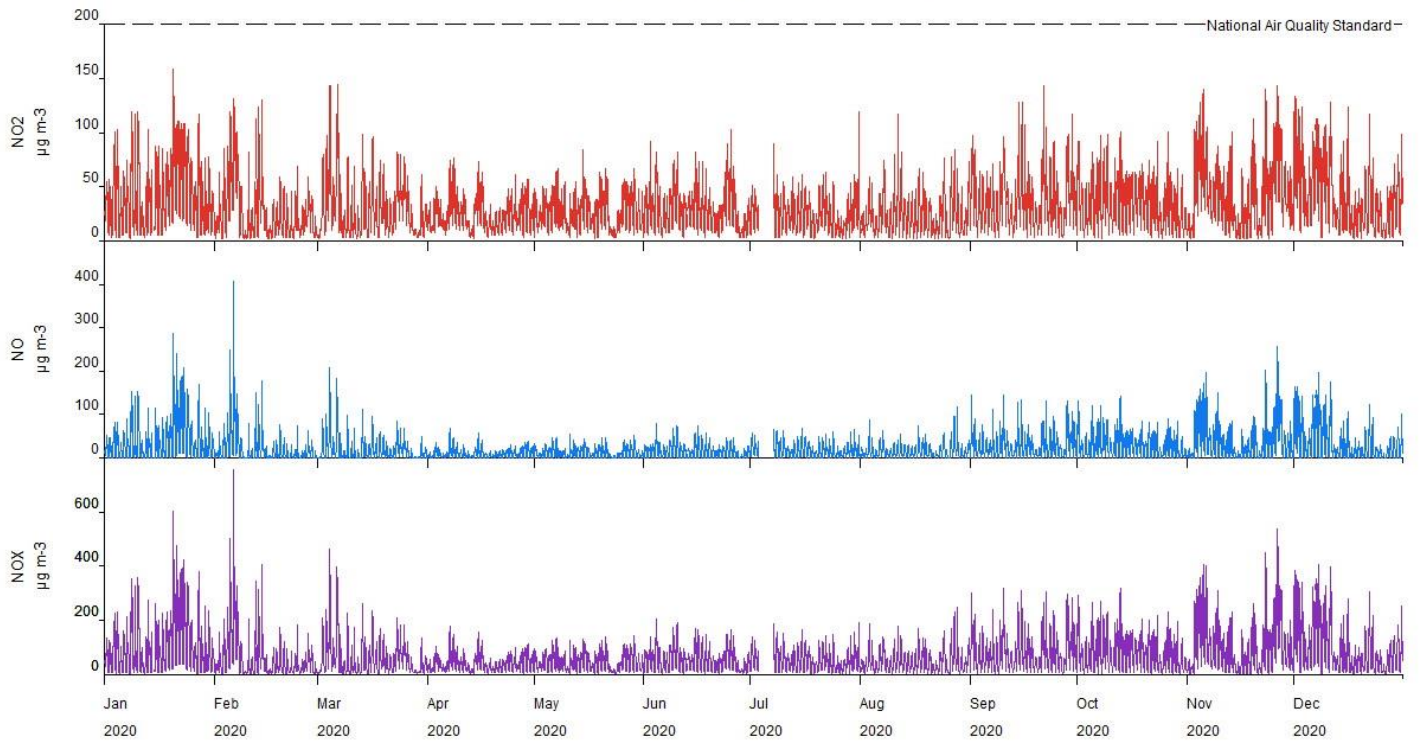
Monthly Means

Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide $\mu\text{g m}^{-3}$	40	27	30	22	26	28	25	25	36	32	38	37

Air Quality Report

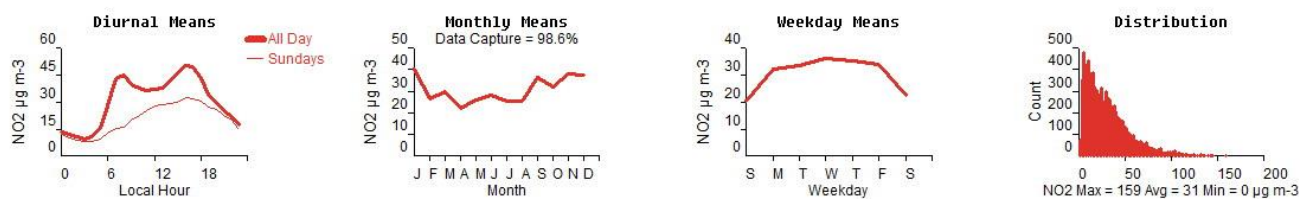
HARBOROUGH KIBWORTH A6 2020

Hourly Means



Air Quality Report

HARBOROUGH KIBWORTH A6 2020



Harborough Kibworth A6 Air Quality Report produced by:

Geoff Broughton

Air Quality Data Management (AQDM)

Tel: 01235 559761

Geoff.Broughton@aqdm.co.uk

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

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

<http://www.UKAirQuality.net>