

# **Harrogate and Knaresborough Area Committee** 27.11.2025

## **Scientific Team – AQMA Update**

# Local Air Quality Management

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.

Objectives contained in UK Air Quality Strategy implemented by Air Quality (England) Regulations 2000 (2002 as amended)

# Pollutants of Concern in NY

Nitrogen Dioxide (NO<sub>2</sub>) – **Transport**

Particulate Matter (PM<sub>10</sub>, PM<sub>2.5</sub>) - **Domestic Solid Burning**



## **NO<sub>2</sub> Measured using Diffusion Tubes**

Objective:

Annual mean  $40\mu\text{g.m}^{-3}$

Tubes located according to  
Technical Guidance issued by  
DEFRA

Must affect Relevant Receptor



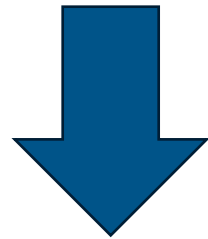
## PM Measured using Monitors

Objective:

PM<sub>10</sub> Annual mean  $40\mu\text{g}\cdot\text{m}^{-3}$

AQMA in Staithes for domestic solid fuel burning

# **Objective Level Exceedance**



# **Air Quality Management Area (AQMA)**

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# **Air Quality Action Plan (AQAP)**



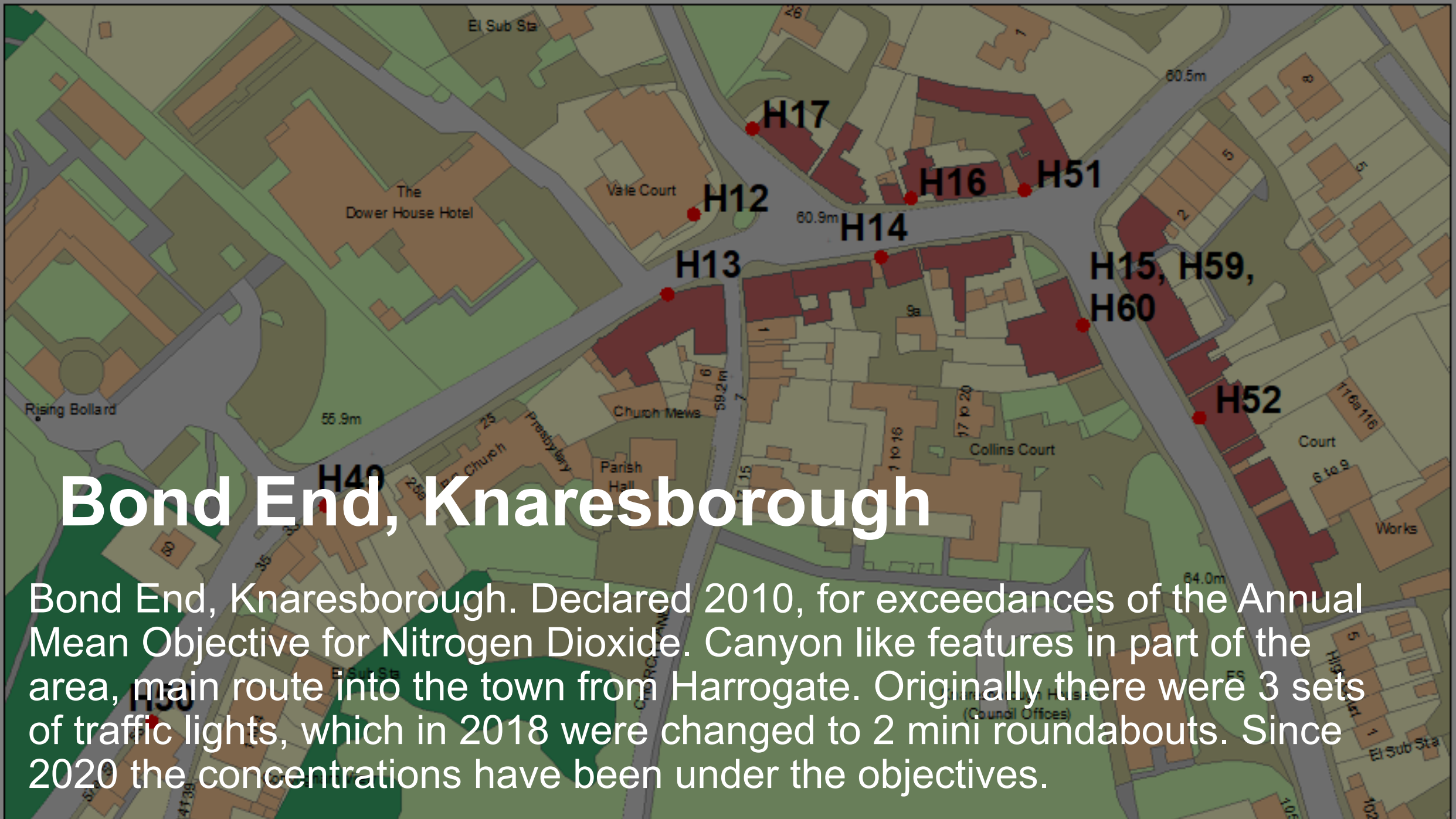
**All former District and Borough reports now consolidated into NYC reports:**

**ASR – Annual Status Report**

**AQAP – Air Quality Action Plan**

## **8 AQMAs at LGR:**

- 1. Staithes**
- 2. Selby – The Crescent / New Street**
- 3. Bond End, Knaresborough**
- 4. *Wetherby Road, Harrogate (To Revoke)***
- 5. York Place, Knaresborough (Revoked)**
- 6. Low/High Skellgate, Ripon (Revoked)**
- 7. Malton – Town Centre (Revoked)**
- 8. Bedale – Town Centre (Revoke)**



# Bond End, Knaresborough

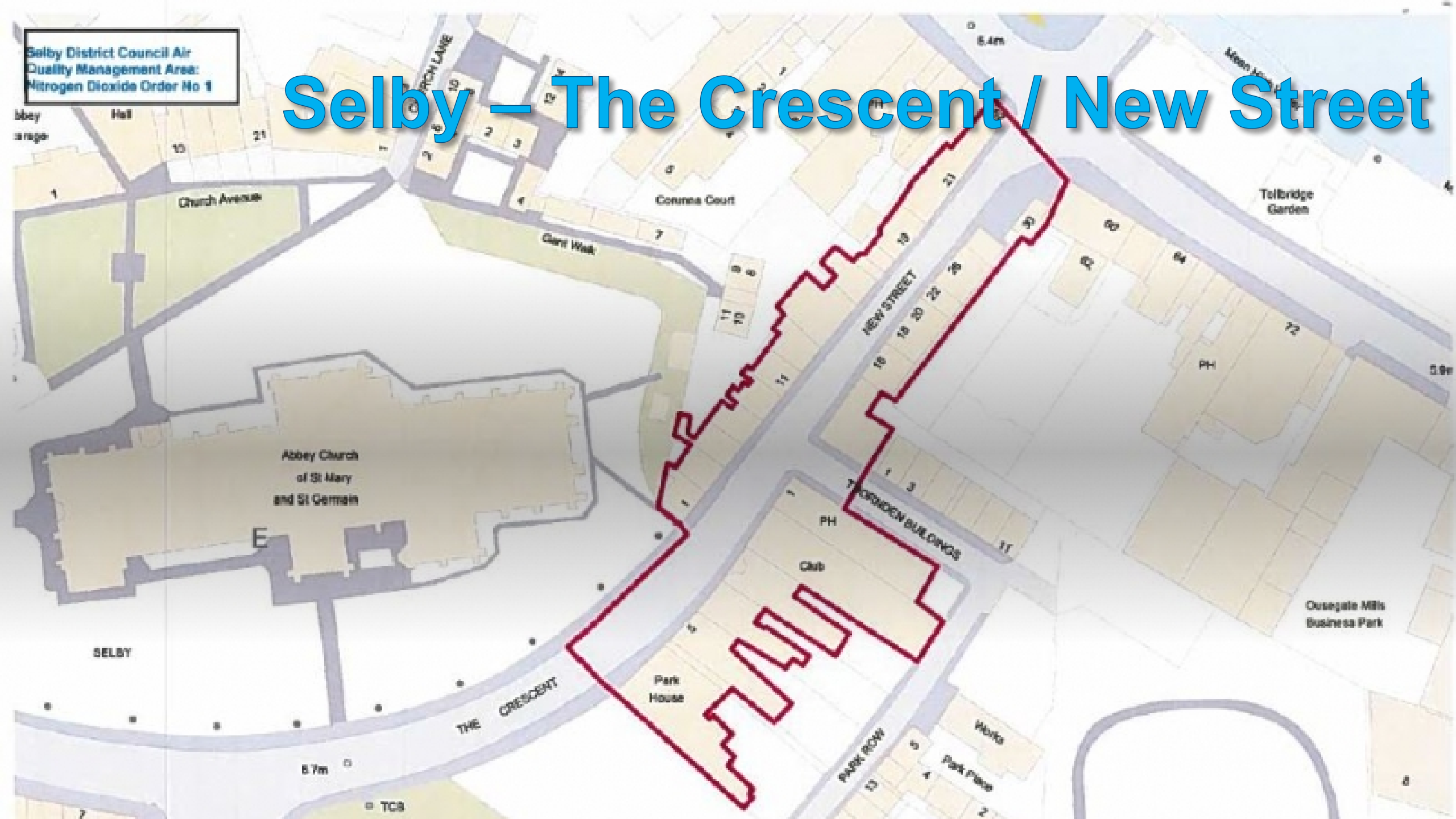
Bond End, Knaresborough. Declared 2010, for exceedances of the Annual Mean Objective for Nitrogen Dioxide. Canyon like features in part of the area, main route into the town from Harrogate. Originally there were 3 sets of traffic lights, which in 2018 were changed to 2 mini roundabouts. Since 2020 the concentrations have been under the objectives.

# Wetherby Rd, Harrogate

Wetherby Rd, Harrogate. Declared 2017, for exceedances of the limit for NO<sub>2</sub> at the 1st floor flat above a Pub. Concentrations increased following a change in road layout, but have since decreased to under the objective.

Selby District Council Air Quality Management Area: Nitrogen Dioxide Order No 1

# Selby – The Crescent / New Street



# Measures to address Air Quality in North Yorkshire

*Rely on partners to provide information*

Selby – regeneration

Staites – Housing Assn. coal to gas

Bond End, Knareborough - roundabouts

# **Present and Future AQ Work**

- 1. Monitoring and Statutory Reports (ASR and AQAP)**
- 2. Air Quality Strategy (March 2027)**
- 3. Local Plan consultations**
- 4. Links with Primary Authority**
- 5. Community work (e.g. schools, Clean Air Day)**

# Environment Act 2021

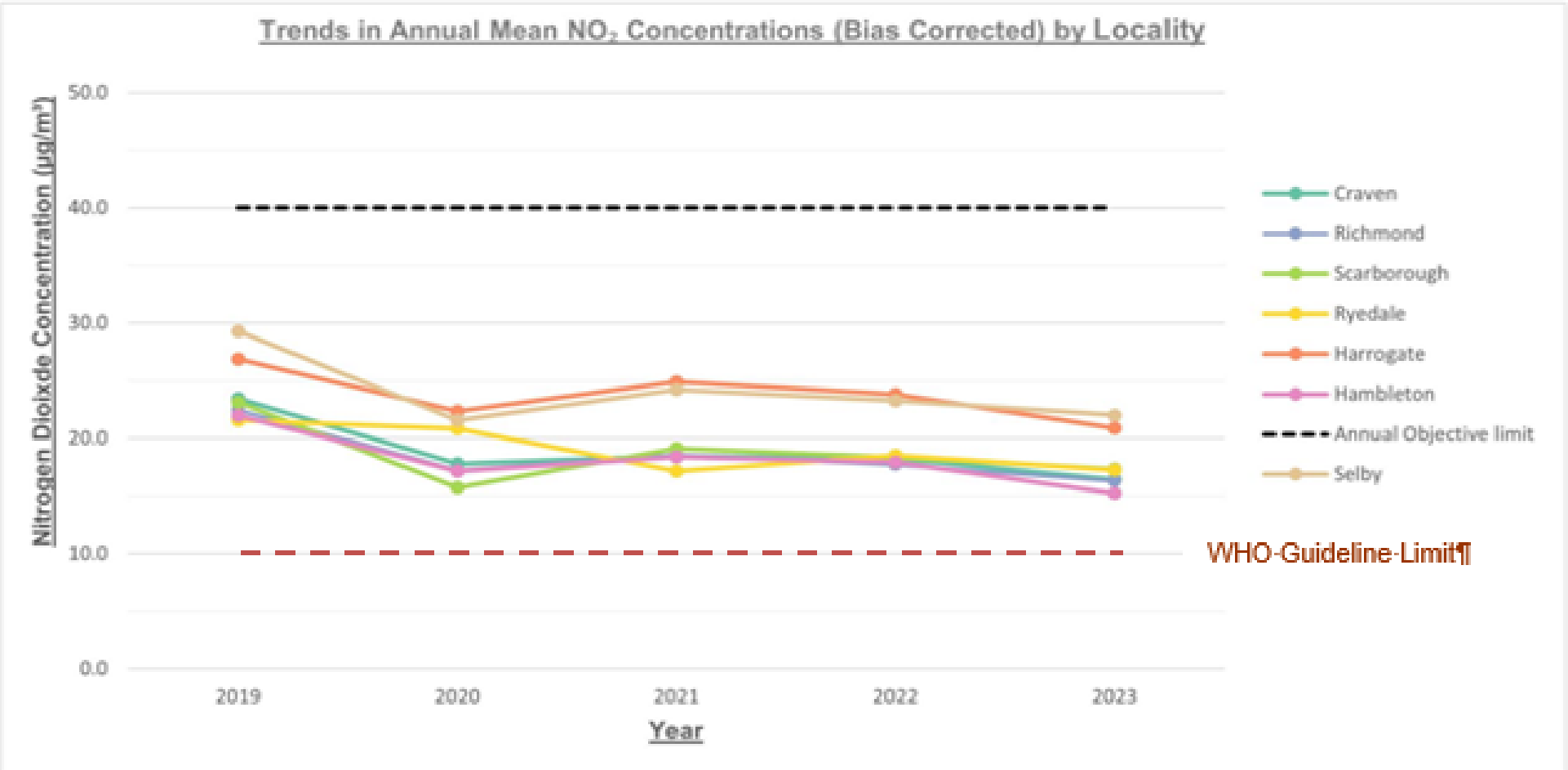
Sets 2 ambitious, legally-binding targets to reduce concentrations of PM<sub>2.5</sub>:

- an annual mean concentration target for PM<sub>2.5</sub> of 10µg/m<sup>3</sup> across England by 2040
- an average population exposure reduction target of 35% in 2040 compared to a 2018 baseline

# WHO guidelines

Pollutant	Averaging Time	2005 AQGs	2021 AQGs
PM <sub>2.5</sub> , µg/m <sup>3</sup>	Annual	10	5
	24-hour <sup>a</sup>	25	15
PM <sub>10</sub> , µg/m <sup>3</sup>	Annual	20	15
	24-hour <sup>a</sup>	50	45
O <sub>3</sub> , µg/m <sup>3</sup>	Peak season <sup>b</sup>	-	60
	8-hour <sup>a</sup>	100	100
NO <sub>2</sub> , µg/m <sup>3</sup>	Annual	40	10
	24-hour <sup>a</sup>	-	25
SO <sub>2</sub> , µg/m <sup>3</sup>	24-hour <sup>a</sup>	20	40
CO, mg/m <sup>3</sup>	24-hour <sup>a</sup>	-	4

Trends in Annual Mean NO<sub>2</sub> Concentrations (Bias Corrected) by Locality



# New Monitors





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