

Air Quality in the Northern Parishes

- **National Air Quality Strategy**

- The National Air Quality Strategy for England, Scotland, Wales and Northern Ireland sets out UK air quality standards and objectives for reducing levels of health-threatening pollutants. These include:

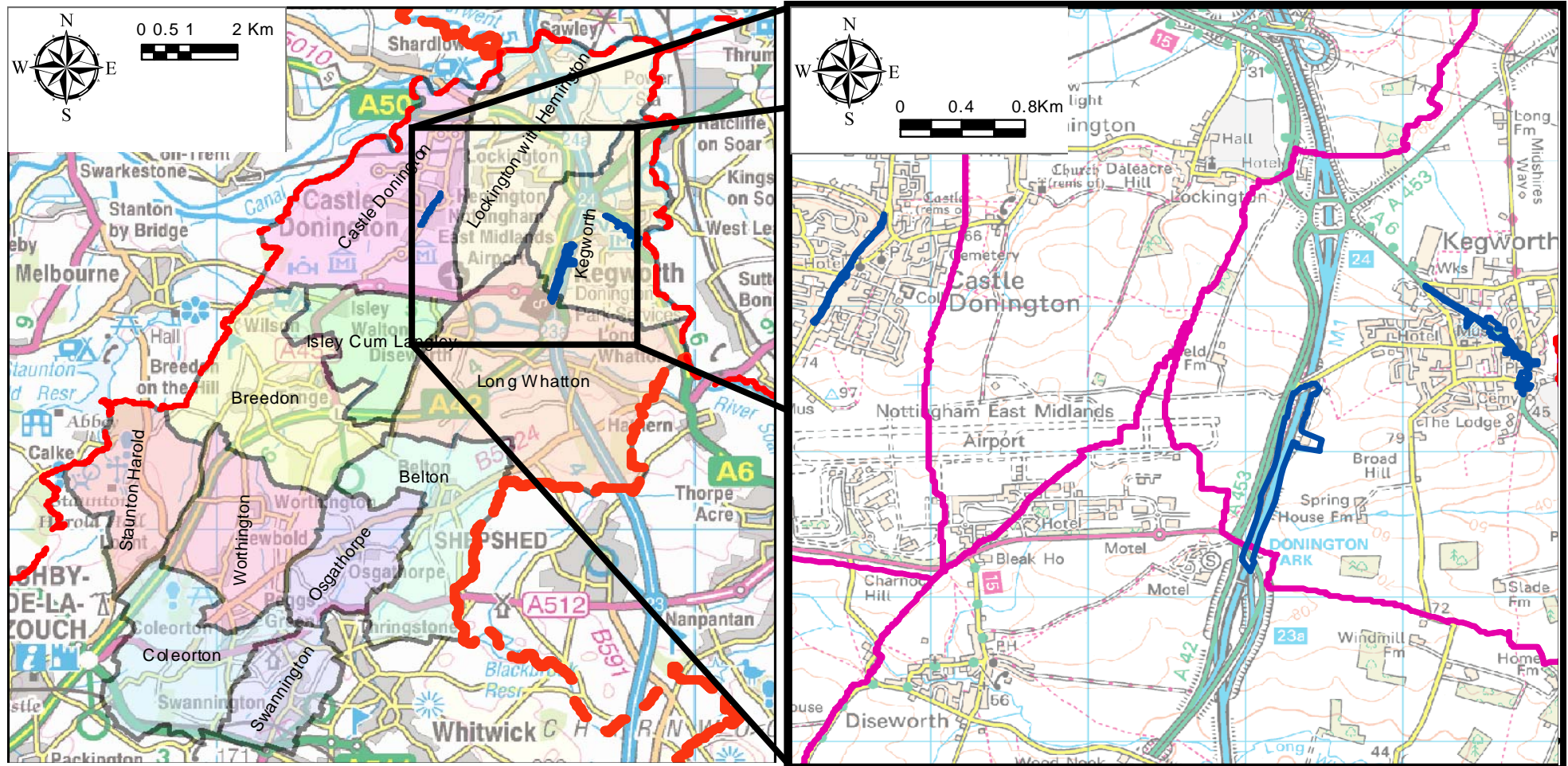
- 1,3-butadiene,
 - carbon monoxide,
 - Lead,
 - nitrogen dioxide,
 - particles,
 - sulphur dioxide,
 - ground level,
 - ozone, and
 - PAH.

- **Local Air Quality Management**

- The Environment Act 1995, requires all local authorities in the UK to review and assess air quality in their area.
 - If any standards are being exceeded or are unlikely to be met by the required date, then that area should be designated an Air Quality Management Area (AQMA) and the local authority must draw up and implement an action plan aimed at reducing levels of the pollutant.
 - Local authorities are required to make copies of their reviews and assessments of local air quality available to the public, as well as any orders designating an AQMA, and to consult locally on the action plan.

- http://www.nwleics.gov.uk/pages/air_quality

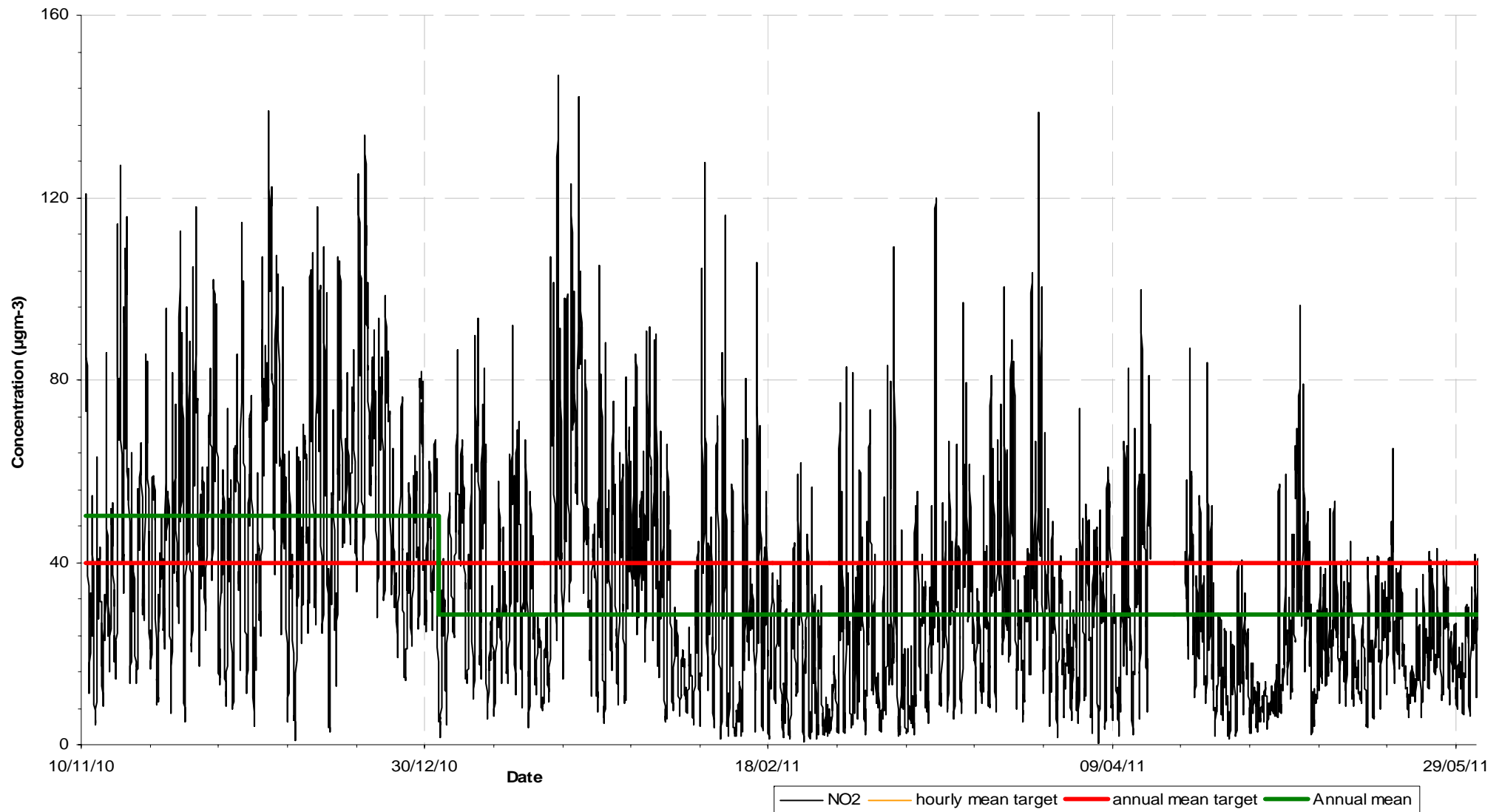
Pollutant	Concentration (μgm^{-3})	Measured as	Date to be achieved
Benzene	16.25	Running annual mean	31.12.2003
	5.00	Running annual mean	31.12.2010
1,3-Butadiene	2.25	Running annual mean	31.12.2003
Carbon monoxide	10.0	Running 8-hour mean	31.12.2003
Lead	0.5	Annual mean	31.12.2004
	0.25	Annual mean	31.12.2008
Nitrogen dioxide	200 not to be exceeded more than 18 times a year	1-hour mean	31.12.2005
	40	Annual mean	31.12.2005
Particles PM_{10}	50 not to be exceeded more than 35 times a year	24-hour mean	31.12.2004
	40	Annual mean	31.12.2004
Sulphur dioxide	350 not to be exceeded more than 24 times a year	1-hour mean	31.12.2004
	125 not to be exceeded more than 3 times a year	24-hour mean	31.12.2004
	266 not to be exceeded more than 35 times a year	15-minute mean	31.12.2005



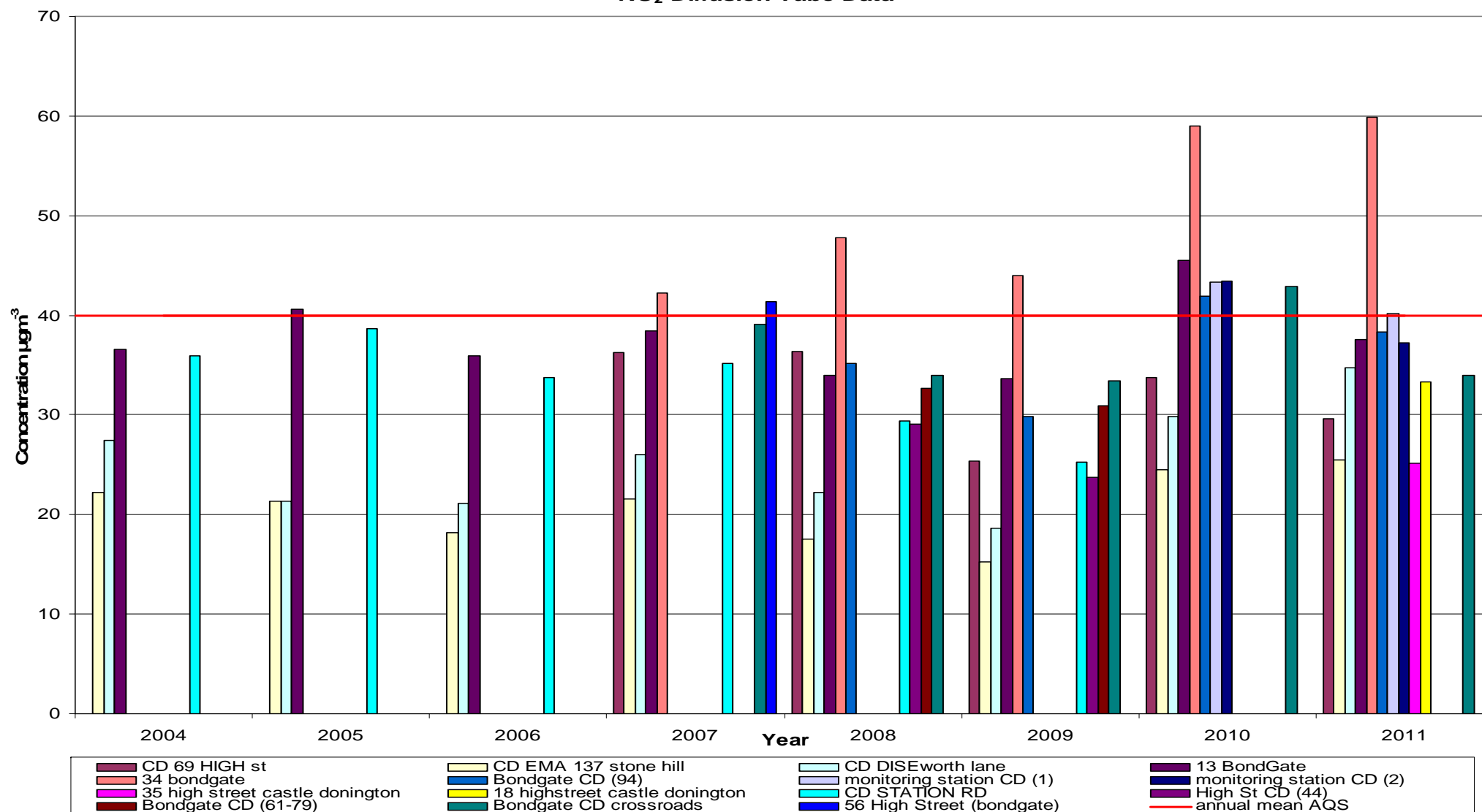


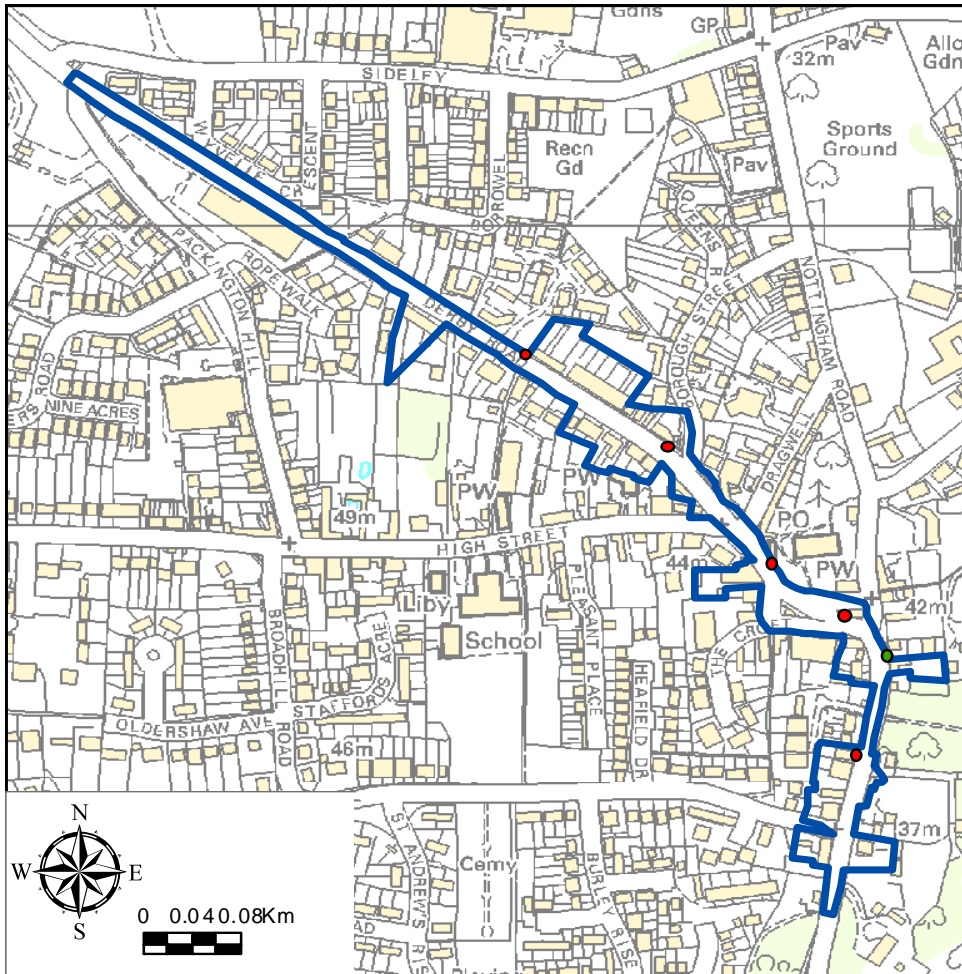
- Declared in 2008 for exceedences of the Annual Mean Air Quality Standard for Nitrogen Dioxide (NO₂)
- Real-time analyser installed November 2010 (marked in green)
- Currently 6 NO₂ tube monitoring locations marked in red and 2 tubes placed at the Real-time monitor for validation purposes

Automatic monitoring Data



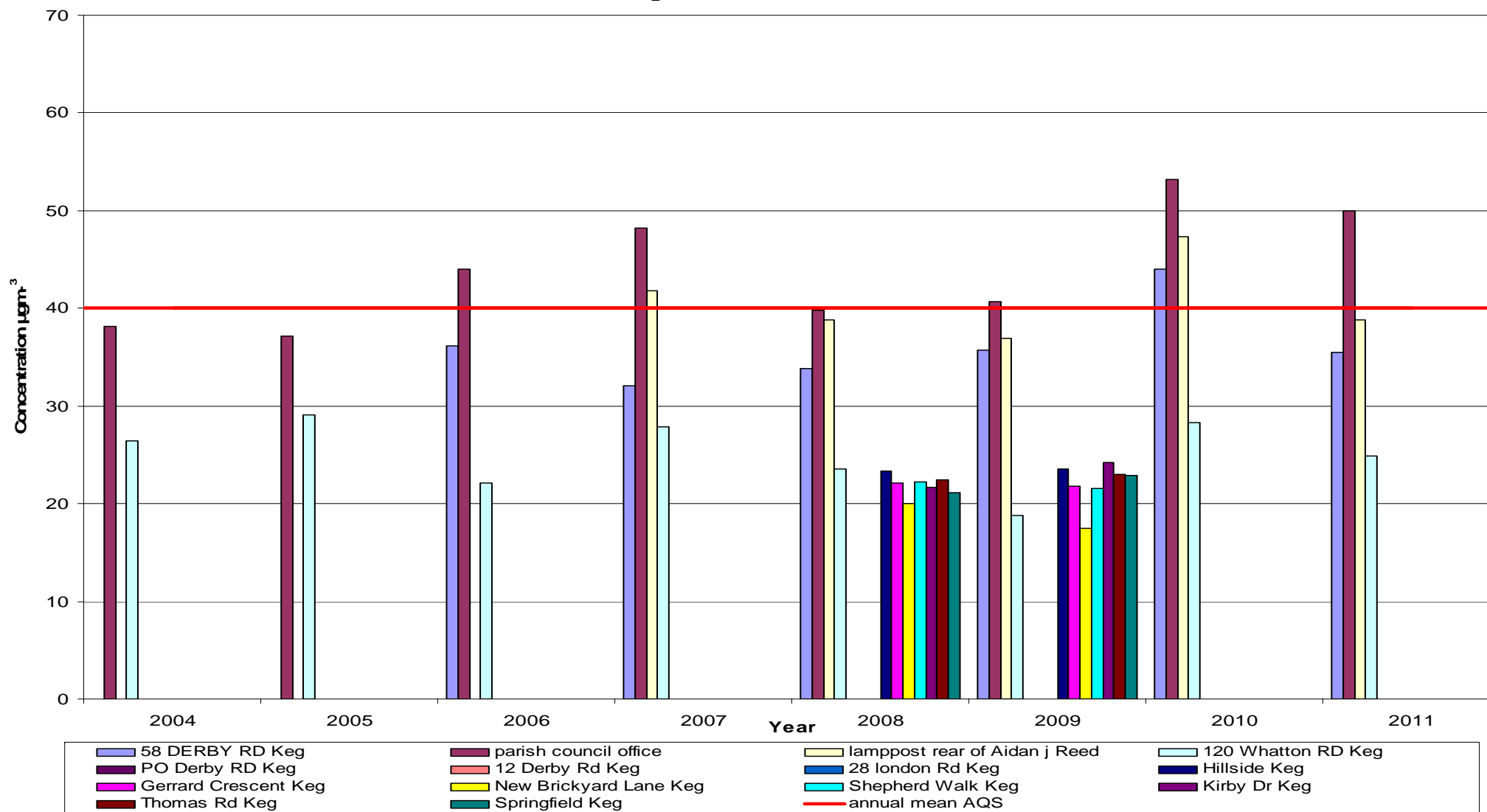
NO₂ Diffusion Tube Data

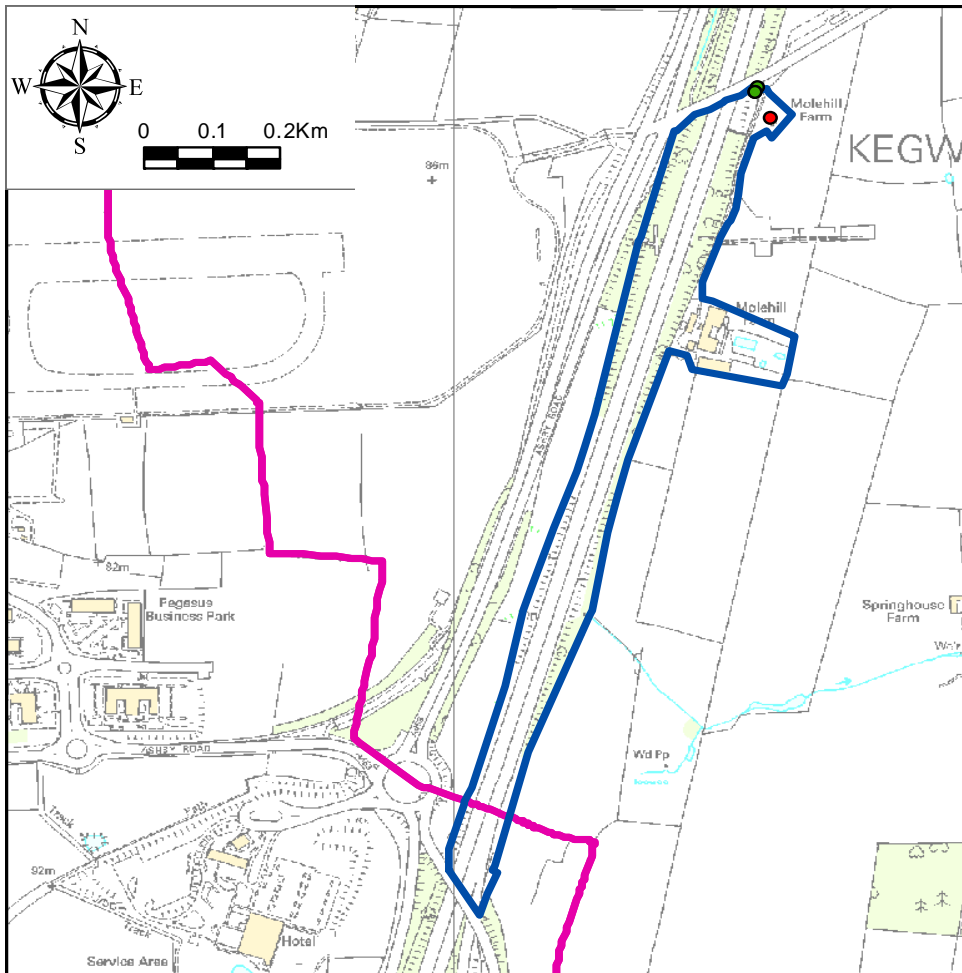




- Declared in 2001 for exceedences of the Annual Mean Air Quality Standard for Nitrogen Dioxide (NO₂)
- Currently 5 NO₂ Tube Locations marked in red

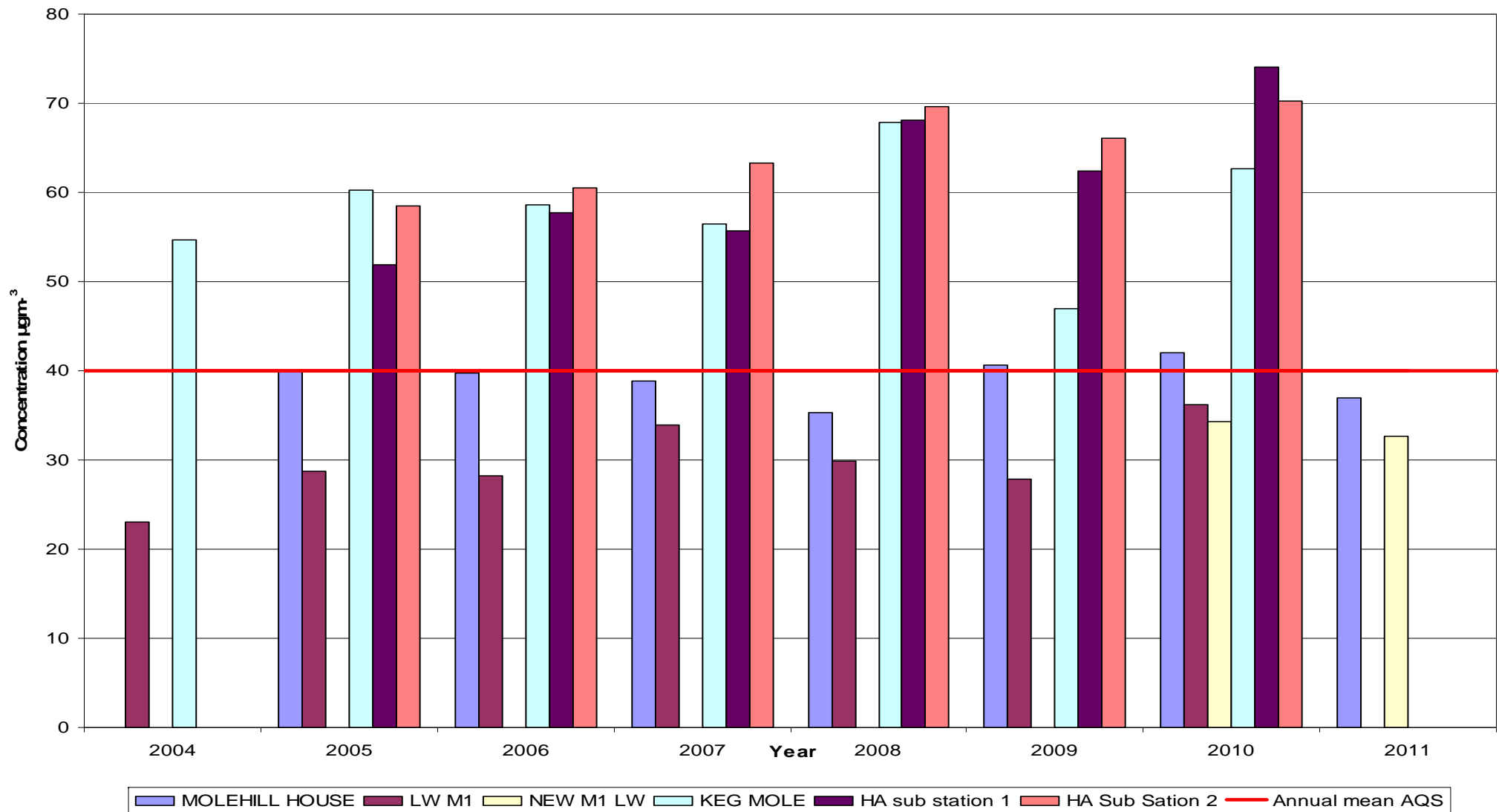
NO₂ Diffusion Tube Data





- Originally declared in 2001 for exceedences of the Annual Mean Air Quality Standard for Nitrogen Dioxide (NO₂)
 - Amended in 2004 to reduce its area
 - Amended in 2011 to reduce its area to that shown on the left and expand the declaration for exceedences of the 1-Hour Mean Air Quality Standard for Nitrogen Dioxide (NO₂)
- 1 NO₂ Tube located on Molehill farm house

NO₂ Diffusion Tube Data



- Review of the Castle Donington Air Quality Management Area
 - Review area declared to ensure that the declarations are correct
 - Will take the Form of A Detailed Assessment. Due February 2012
- Update and Screening Assessment
 - Forms part of the annual reporting on air quality to DEFRA. Due 1st April 2012
 - Looks at the whole district, addresses areas not currently declared as an AQMA, looks to determine areas requiring Detailed Assessment.
- Review of the Kegworth Air Quality Management Area
 - Review area declared to ensure that the declarations are correct
 - Will take the form of a Detailed Assessment. Due August 2012
- Following rationalisation of All AQMA's in the district review and update the councils Air Quality Action Plan. Due April 2013

Thank you for listening
Are There Any Questions?

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