

AIR QUALITY

November 2006 Wallchart

BULLETIN

WHO 2006 guidelines

The World Health Organisation has proposed an updated set of guideline values for four key pollutants (those with most health concern). We summarise them on this handy wallchart

Included for comparison are UK and European objectives and proposed objectives (objectives contain limit values *plus* the number of allowable exceedences of the limit)

	Averaging period	2006 WHO proposals	
Nitrogen dioxide	Annual mean	40µg/m	No change
	1hr mean	200µg/m ³	No change
Sulphur dioxide	24hr mean	20µg/m ³	was 125µg/m ³
	1hr mean	n/a	
	10/15min mean	500µg/m ³ _{10min}	No change
Ozone	8hr mean	100µg/m ³	was 120µg/m ³
PM ₁₀	Annual mean	20µg/m ³	Previously no limit set
	24hr mean	50µg/m ³	Previously no limit set
PM _{2.5}	Annual mean	10µg/m ³	Previously no limit set
	24hr mean	25µg/m ³	Previously no limit set

UK existing	UK 2006 proposed	EU latest
40µg/m ³	retained	40µg/m ³
200µg/m ³ 18 exceedences	retained	200µg/m ³ 18 exceedences
125µg/m ³ 3 exceedences	retained	125µg/m ³ 3 exceedences
350µg/m ³ 24 exceedences	retained	350µg/m ³ 24 exceedences
266µg/m ³ 15 min 35 exceedences	retained	n/a
100µg/m ³ 10 exceedences	retained	120µg/m ³ 25 exceedences
(2004) 40µg/m ³	retained	40µg/m ³
(2010) England 20µg/m ³ London 23µg/m ³ Scotland 18µg/m ³	dropped (except Scotland)	dropped
(2004) 50µg/m ³ 35 exceedences	retained	50µg/m ³ 35 exceedences
(2010) 50µg/m ³ London: 10exc. Eng/Scot: 7 exceed's	dropped (except Scotland)	dropped
n/a	Cap: England 25µg/m ³ Scotland 12µg/m ³ + 15% exp reduction target	Cap: 25µg/m ³ + 20% exposure reduction target
n/a	n/a	n/a

This wallchart is intended for *Air Quality Bulletin* subscribers. We have done our best to ensure accuracy, if you spot any errors, please let us know. Printed and published Environmental Management Publishing, PO Box 592, Redhill RH1 3WN, tel 01737 642283 email enquiries@empublishing.org.uk Extra copies and free three month trials on request. Last updated 9th November 2006