Pollutant	Applies	Objective	Concentration measured as	Date to be achieved by (and maintained thereafter)	European Obligations	Date to be achieved (by and maintained thereafter)
Particles (PM <sub>10</sub> )	UK	50 µg/m³ not to be exceeded more than 35 times a year	24 hour mean	31 December 2004	50 µg/m³ not to be exceeded more than 35 times a year	1 January 2005
	UK	40 μg/m³	annual mean	31 December 2004	40 μg/m³	1 January 2005
	Indicative 2010 objectives for PM <sub>10</sub> (from the 2000 strategy and Addendum) have been replaced by an exposure reduction approach for PM <sub>2.5</sub> (except in Scotland – see below)					
	Scotland	50 μg/m³ not to be exceeded more than 7 times a year	24 hour mean	31 December 2010	50 µg/m³ not to be exceeded more than 35 times a year	1 January 2005
	Scotland	18 μg/m³	annual mean	31 December 2010	40 μg/m³	1 January 2005
Particles (PM <sub>2.5</sub> ) Exposure Reduction	UK (except Scotland)	25 μg/m³	annual mean	2020	Target value - 25 μg/m³	2010
	Scotland	10 μg/m <sup>3</sup>		31 December 2020	Limit value - 25 μg/m³	1 January 2015
	UK urban areas	Target of 15% reduction in concentrations at urban background		Between 2010 and 2020	Target of 20% reduction in concentrations at urban background.	Between 2010 and 2020

## National air quality objectives and European Directive limit and target values for the protection of human health **Applies Objective European Obligations Pollutant** Concentration Date to be Date to be measured as1 achieved by (and achieved by (and maintained maintained thereafter) thereafter) UK 200 µg/m<sup>3</sup> not to be 1 hour mean 31 December 2005 200 µg/m<sup>3</sup> not to be 1 January 2010 exceeded more than 18 exceeded more than 18 Nitrogen dioxide times a year times a year UK $40 \mu g/m^{3}$ $40 \mu g/m^{3}$ 1 January 2010 31 December 2005 annual mean UK Ozone 100 µg/m<sup>3</sup> not to be 8 hour mean 31 December 2005 Target of 120 µg/m<sup>3</sup> not to 31 December 2010 exceeded more than 10 be exceeded by more than 25 times a year times a year averaged over 3 years UK 266 µg/m<sup>3</sup> not to be 31 December 2005 15 minute exceeded more than 35 mean times a year UK 350 µg/m<sup>3</sup> not to be 350 µg/m<sup>3</sup> not to be 1 January 2005 1 hour mean 31 December 2004 Sulphur dioxide exceeded more than 24 exceeded more than 24 times a year times a year UK 125 µg/m<sup>3</sup> not to be 1 January 2005 125 µg/m<sup>3</sup> not to be 24 hour mean 31 December 2004 exceeded more than 3 exceeded more than 3 times a year times a year Polycyclic 0.25 ng/m3 B[a]P 1.0 ng/m<sup>3</sup> UK 31 December 2012 31 December 2012 as annual Aromatic average Hydrocarbons

## National air quality objectives and European Directive limit and target values for the protection of human health **Applies** Objective **European Obligations Pollutant** Concentration Date to be Date to be achieved by (and achieved by (and measured as<sup>1</sup> maintained maintained thereafter) thereafter) UK $16.25 \mu g/m^3$ 31 December 2003 running annual mean England and $5 \mu g/m^3$ 31 December 2010 $5 \mu g/m^3$ 1 January 2010 annual Benzene Wales average Scotland, $3.25 \mu g/m^3$ running annual 31 December 2010 Northern mean Ireland UK 1,3-butadiene $2.25 \mu g/m^{3}$ running annual 31 December 2003 mean Carbon monoxide UK 10 mg/m<sup>3</sup> maximum daily 31 December 2003 10 mg/m<sup>3</sup> 1 January 2005 running 8 hour mean/in Scotland as running 8 hour mean UK 1 January 2005 $0.5 \, \mu g/m^3$ 31 December 2004 $0.5 \mu g/m^{3}$ annual mean Lead $0.25 \, \mu g/m^3$ 31 December 2008 annual mean

## National air quality objectives and European Directive limit and target values for the protection of vegetation and ecosystems **Applies** Objective Concentration Date to be **Pollutant** Date to be **European Obligations** achieved by (and achieved by (and measured as<sup>1</sup> maintained maintained thereafter) thereafter) Nitrogen oxides UK $30 \mu g/m^{3}$ annual mean 31 December 2000 $30 \mu g/m^{3}$ 19 July 2001 UK $20 \mu g/m^3$ 31 December 2000 $20 \mu g/m^{3}$ 19 July 2001 annual mean Sulphur dioxide UK $20 \mu g/m^3$ 31 December 2000 $20 \mu g/m^{3}$ 19 July 2001 winter average UK 1 January 2010 Ozone: protection Target value of 18,000 Average over 5 1 January 2010 Target value of 18,000 of vegetation and μg/m³ based on AOT40 to µg/m³ based on AOT40 to years ecosystems be calculated from 1 hour be calculated from 1 hour values from May to July, values from May to July, and to be achieved, so far and to be achieved, so far as possible, by 2010 as possible, by 2010