## OFFICIAL Air Quality Objectives

				it and target values for the prot		Date to be achieved by
Pollutant	Applies	Objective	Concentration measures as^1	Date to be achieved by (and maintained thereafter)	European Obligations	(and maintained thereafter)EO
onutant	Applies	Objective	ineasures as1	mantamed therearter)		
		50 μg/m <sup>3</sup> not to be			50 μg/m³ not to be	
		exceeded more than 35			exceeded more than 35	
Particles (PM10)	UK	times a year	24 hour mean	31 December 2004	times a year	01 January 200
Particles (PM10)	UK	40 μg/m³	annual mean	31 December 2004	40 μg/m³	01 January 20
		50 μg/m <sup>3</sup> not to be			50 μg/m³ not to be	
		exceeded more than 7			exceeded more than 35	
Particles (PM10)	Scotland	times a year	24 hour mean	31 December 2010		01 January 200
	Scotland	18 μg/m <sup>3</sup>	annual mean	31 December 2010		01 January 200
	Scotland	10 µ6/	unnuurmeun	ST Determber 2010	-ιο μ <sub>D</sub> /	or surfacely 200
Particles (PM2.5)	UK (except					
Exposure reduction		25 μg/m³	annual mean	01 January 2020	Target value - 25µg/m³	01 January 201
	Scotianuj	25 μg/11	annuarmean	OI January 2020	Taiget value - 25µg/III	OI January 201
Particles (PM2.5)		10 / 3				
Exposure reduction	Scotland	10 μg/m³	annual mean	31 December 2020	Limit value - 25µg/m <sup>3</sup>	01 January 201
		Target of 15%				
		reduction in			Target of 20% reduction in	
Particles (PM2.5)		concentrations at			concentrations at urban	
Exposure reduction	UK urban areas	urban background	annual mean	Between 2010 and 2020	background	Between 2010 and 2020
		200 µg/m³ not to be			200 μg/m³ not to be	
		exceeded more than 18			exceeded more than 18	
Nitrogen dioxide	UK	times a year	1 hour mean	31 December 2005	times a year	01 January 201
•	UK	40 μg/m <sup>3</sup>	annual mean	31 December 2005	40 µg/m <sup>3</sup>	01 January 201
					Target if 120 µg/m <sup>3</sup> not to	
		100 μg/m³ not to be			be exceeded by my more	
		exceeded more than 10			than 25 times a year	
			0 haur maan		•	21 December 201
Ozone	UK	times a year	8 hour mean	31 December 2005	averaged over 3 years	31 December 201
		266 μg/m <sup>3</sup> not to be				
		exceeded more than 35				
Sulphur dioxide	UK	times a year	15 minute mean	31 December 2005	-	-
		350 μg/m³ not to be			350 μg/m³ not to be	
		exceeded more than 24			exceeded more than 24	
Sulphur dioxide	UK	times a year	1 hour mean	31 December 2004	times a year	01 January 200
		125 μg/m <sup>3</sup> not to be			125 μg/m³ not to be	
		exceeded more than 3			exceeded more than 3	
Sulphur dioxide	UK	times a year	24 hour mean	31 December 2004	times a year	01 January 200
•		,				•
Polycyclic Aromatic						
	1112					
	UK	0.25 ng/m <sup>3</sup> BlalP	as annual average	31 December 2012	1.0 ng/m <sup>3</sup>	31 December 201
riyurocar boris	UK	0.25 ng/m <sup>3</sup> B[a]P	as annual average	31 December 2012	1.0 ng/m³	31 December 201
,						31 December 201
,	UK	0.25 ng/m³ B[a]P 16.25 μg/m³	as annual average running annual mean	31 December 2012 31 December 2003		31 December 201
Benzene	UK	16.25 μg/m³	running annual mean	31 December 2003	-	-
Benzene Benzene	UK England and Wales	16.25 μg/m³			-	-
Benzene Benzene	UK England and Wales Scotland and	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup>	running annual mean annual average	31 December 2003 31 December 2010	- 5 µg/m³	-
Benzene Benzene	UK England and Wales	16.25 μg/m³	running annual mean	31 December 2003	- 5 µg/m³	-
Benzene Benzene Benzene	UK England and Wales Scotland and Northern Ireland	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean	31 December 2003 31 December 2010 31 December 2010	- 5 µg/m <sup>3</sup> -	-
Benzene Benzene Benzene	UK England and Wales Scotland and	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup>	running annual mean annual average	31 December 2003 31 December 2010	- 5 µg/m <sup>3</sup> -	31 December 201 - 01 January 201 -
Benzene Benzene Benzene	UK England and Wales Scotland and Northern Ireland	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean	31 December 2003 31 December 2010 31 December 2010	- 5 µg/m <sup>3</sup> -	-
Benzene Benzene Benzene	UK England and Wales Scotland and Northern Ireland	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean	31 December 2003 31 December 2010 31 December 2010	- 5 µg/m <sup>3</sup> -	-
Benzene Benzene Benzene	UK England and Wales Scotland and Northern Ireland	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean	31 December 2003 31 December 2010 31 December 2010	- 5 µg/m <sup>3</sup> -	-
Benzene Benzene Benzene	UK England and Wales Scotland and Northern Ireland	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily	31 December 2003 31 December 2010 31 December 2010	- 5 µg/m <sup>3</sup> -	-
Benzene Benzene Benzene 1,3-butadiene	UK England and Wales Scotland and Northern Ireland	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour	31 December 2003 31 December 2010 31 December 2010	- 5 μg/m <sup>3</sup> -	- 01 January 201 - -
Benzene Benzene Benzene 1,3-butadiene Carbon monoxide	UK England and Wales Scotland and Northern Ireland UK	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup> 2.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as	31 December 2003 31 December 2010 31 December 2010 31 December 2003	- 5 μg/m <sup>3</sup> - - 10 mg/m <sup>3</sup>	- 01 January 201  01 January 200
Benzene Benzene 1,3-butadiene Carbon monoxide Lead	UK England and Wales Scotland and Northern Ireland UK	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup> 2.25 µg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean	31 December 2003 31 December 2010 31 December 2010 31 December 2003 31 December 2003	- 5 μg/m <sup>3</sup> - - 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup>	- 01 January 201  01 January 200
Benzene Benzene 1,3-butadiene Carbon monoxide Lead	UK England and Wales Scotland and Northern Ireland UK UK	16.25 µg/m <sup>3</sup> 5 µg/m <sup>3</sup> 3.25 µg/m <sup>3</sup> 2.25 µg/m <sup>3</sup> 10 mg/m <sup>3</sup> 0.5 µg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean	31 December 2003 31 December 2010 31 December 2010 31 December 2003 31 December 2003 31 December 2003 31 December 2004	- 5 μg/m <sup>3</sup> - - - - 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> -	- 01 January 201 
Benzene Benzene 1,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides	UK England and Wales Scotland and Northern Ireland UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.25 μg/m <sup>3</sup> 30 μg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean	31 December 2003 31 December 2010 31 December 2010 31 December 2003 31 December 2003 31 December 2003 31 December 2004 31 December 2008 31 December 2000	- 5 μg/m <sup>3</sup> - - - - - - 30 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup>	- 01 January 201 
Benzene Benzene I,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2004   31 December 2008   31 December 2000   31 December 2000	- 5 μg/m <sup>3</sup> - - - - - - - - - 30 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	- 01 January 201 - 01 January 201 - 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene Benzene 1,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.25 μg/m <sup>3</sup> 30 μg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean	31 December 2003 31 December 2010 31 December 2010 31 December 2003 31 December 2003 31 December 2003 31 December 2004 31 December 2008 31 December 2000	- 5 μg/m <sup>3</sup> - - - - - - - - - 30 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	- 01 January 201 - 01 January 201 - 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene Benzene 1,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.25 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2004   31 December 2008   31 December 2000   31 December 2000	- 5 μg/m <sup>3</sup> - - - - - - - - - 30 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	- 01 January 201 - 01 January 200 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene I,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> Target value of 18,000	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2000   31 December 2000   31 December 2000   31 December 2000   31 December 2000	- 5 μg/m <sup>3</sup> - - - 30 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	- 01 January 201 - 01 January 201 - 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene I,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> Target value of 18,000 μg/m <sup>3</sup> based on AOT40	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2000   31 December 2000   31 December 2000   31 December 2000   31 December 2000	- 5 μg/m <sup>3</sup> - - - - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	- 01 January 201 - 01 January 201 - 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene Benzene 1,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 20 μg/m	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2000   31 December 2000   31 December 2000   31 December 2000   31 December 2000	- 5 μg/m <sup>3</sup> - - - 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup> 20	- 01 January 201 - 01 January 200 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene Benzene 1,3-butadiene (Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.25 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> Target value of 18,000 μg/m <sup>3</sup> based on AOT40 to be calculated from 1 hour values from May	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2004   31 December 2000	- 5 μg/m <sup>3</sup> - - - - 10 mg/m <sup>3</sup> - - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	- 01 January 201 - 01 January 201 - 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene J.3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 20 μg/m	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2004   31 December 2000	- 5 μg/m <sup>3</sup> - - - 10 mg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> - 30 μg/m <sup>3</sup> 20	- 01 January 201 - 01 January 201 - 01 January 200 01 January 200 - 19 July 200 19 July 200
Benzene Benzene Benzene 1,3-butadiene Carbon monoxide Lead Lead Nitrogen oxides Sulphur dioxide Sulphur dioxide	UK England and Wales Scotland and Northern Ireland UK UK UK UK UK	16.25 μg/m <sup>3</sup> 5 μg/m <sup>3</sup> 3.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 2.25 μg/m <sup>3</sup> 0.5 μg/m <sup>3</sup> 0.25 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> 20 μg/m <sup>3</sup> Target value of 18,000 μg/m <sup>3</sup> based on AOT40 to be calculated from 1 hour values from May	running annual mean annual average running annual mean running annual mean maximum daily running 8 hour mean/in Scotland as running 8 hour mean annual mean annual mean annual mean annual mean	31 December 2003   31 December 2010   31 December 2010   31 December 2003   31 December 2004   31 December 2000	- 5 μg/m <sup>3</sup> - - - - 10 mg/m <sup>3</sup> - - 30 μg/m <sup>3</sup> 20 μg/m <sup>3</sup>	-