

| UK objectives to be set in regulations      |             |                               |   |             | EU objectives                         |      |
|---|-------------|-------------------------------|---|-------------|---------------------------------------|------|
| Pollutant                                   | Applies..   | Concentration                 | Measured as   | Compliance  | Concentration                         | Date |
| Benzene                                     | All UK      | 16.25µg/m <sup>3</sup> (5ppb) | running annual mean                                     | 31 Dec 2003 | 5µg/m <sup>3</sup>                    | 2010 |
|   | Eng & Wales | 5µg/m <sup>3</sup> (1.5ppb)   | annual mean   | 31 Dec 2010 |                                       |      |
|   | Scotland,   | 3.25µg/m <sup>3</sup> (1ppb)  |   | 31 Dec 2010 |                                       |      |
| 1,3-Butadiene                               | All UK      | 2.25µg/m <sup>3</sup> (1ppb)  | running annual mean                                     | 31 Dec 2003 | n/a                                   | n/a  |
| Carbon monoxide                             | All UK      | 10mg/m <sup>3</sup> (8.6ppm)  | maximum daily running eight hour mean                   | 31 Dec 2003 | 10mg/m <sup>3</sup>                   | 2005 |
| Lead  | All UK      | 0.5µg/m <sup>3</sup>          | annual mean   | 31 Dec 2004 | 0.5µg/m <sup>3</sup>                  | 2005 |
|   |             | 0.25µg/m <sup>3</sup>         | annual mean   | 31 Dec 2008 |                                       |      |
| Nitrogen dioxide (prov)                     | All UK      | 200µg/m <sup>3</sup> (105ppb) | 1 hour mean, 18 exceedences                             | 31 Dec 2005 | 200µg/m <sup>3</sup> (18 exceedences) | 2010 |
|   |             | 40µg/m <sup>3</sup> (21ppb)   | Annual mean   | 31 Dec 2005 | 40µg/m <sup>3</sup>                   | 2010 |
| Particles (PM <sub>10</sub> ) (gravimetric) | UK          | 50µg/m <sup>3</sup>           | 24hr mean, 35 exceedences                               | 31 Dec 2004 | 50µg/m <sup>3</sup> (35 exceedences)  | 2005 |
|   |             | 40µg/m <sup>3</sup>           | Annual mean   | 31 Dec 2004 | 40µg/m <sup>3</sup>                   | 2005 |
|   | Scotland    | 50µg/m <sup>3</sup>           | 24hr mean, 7 exceedences                                | 31 Dec 2010 | 50µg/m <sup>3</sup> (7 exceedences)   | 2010 |
|   |             | 18µg/m <sup>3</sup>           | Annual mean   | 31 Dec 2010 | 20µg/m <sup>3</sup>                   | 2010 |
| Sulphur dioxide                             | All UK      | 350µg/m <sup>3</sup> (132ppb) | 1 hr mean not to be exceeded more than 24 times a year  | 31 Dec 2004 | 350µg/m <sup>3</sup> (24 exceedences) | 2005 |
|   |             | 125µg/m <sup>3</sup> (47ppb)  | 24 hr mean not to be exceeded more than 3 times a year  | 31 Dec 2004 | 125µg/m <sup>3</sup> (3 exceedences)  | 2005 |
|   |             | 266µg/m <sup>3</sup> (100ppb) | 15min mean not to be exceeded more than 35 times a year | 31 Dec 2005 |                                       |      |

| UK Objectives <i>not</i> currently in regulations |                     |                                   |                               |             |  |
|---|---------------------|-----------------------------------|-------------------------------|-------------|--|
| Pollutant   | Applies...          | Concentration                     | Measured as                   | Compliance  | Notes  |
| Particles (PM <sub>10</sub> ) (gravimetric)       | London              | 50µg/m <sup>3</sup> (provisional) | 24 hr mean, 10 exceedences    | 31 Dec 2010 | These particle objectives may be set in regs once the EU has decided its new limit value. Councils urged to 'start work early' however |
|   |                     | 23µg/m <sup>3</sup> (provisional) | Annual mean                   | 31 Dec 2010 |  |
|   |                     | 20µg/m <sup>3</sup> (provisional) | Annual mean                   | 2015        |  |
|   | Rest of Eng & Wales | 50µg/m <sup>3</sup> (provisional) | 24 hour mean, 7 exceedences   | 31 Dec 2010 |  |
| 20µg/m <sup>3</sup> (provisional)                 |                     | Annual mean                       | 31 Dec 2005                   |             |  |
| Ozone   | UK                  | 100 µg/m <sup>3</sup>             | 8 hour mean, 10 exceedences   | 31 Dec 2005 | Ozone is a national rather than local authority problem  |
| PAH   | UK                  | 0.25ng/m <sup>3</sup>             | Annual mean                   | 31 Dec 2010 | To be set in regs in future  |
| Nitrogen dioxide                                  | UK                  | 30 µg/m <sup>3</sup> (16 ppb)     | Annual mean                   | 31 Dec 2000 | Vegetation based directives kept out of regulations as national problem. Targets have been met.  |
| Sulphur dioxide                                   | UK                  | 20 µg/m <sup>3</sup> (8 ppb)      | Annual mean                   | 31 Dec 2000 |  |
|   |                     | 20 µg/m <sup>3</sup> (8 ppb)      | Winter mean (October – March) | 31 Dec 2000 |  |