

| EMEP Emission Reporting Programme: Status report for                                  |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|---|-----------------------------------|--|--|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----|-------|--|-----|-------------------|--|--|
| UNITED KINGDOM  |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| General Information   | Date of submission:               |  | 11 January 2006; contact info: John D. Watterson, AEA Technology |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   | Reporting obligation:             |  | CLRTAP: <input type="checkbox"/>                                 |                                     |                                     |                                     |                                   |                                   |     |       | NEC Directive: <input checked="" type="checkbox"/> |     |                   |  |  |
|   | Format:                           |  | Electronic: <input checked="" type="checkbox"/>                  |                                     |                                     |                                     |                                   |                                   |     |       | Hardcopy: <input type="checkbox"/>                 |     |                   |  |  |
|   | NFR provided for years:           |  | 2001 - 2004  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   | Gases covered:                    |  | Main pollutants  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  | SO <sub>2</sub>  | NO <sub>x</sub>                     | NH <sub>3</sub>                     | NMVOCS                              | CO                                |                                   |     |       |  |     |                   |  |  |
|   |                                   |  | <input checked="" type="checkbox"/>                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>          |                                   |     |       |  |     |                   |  |  |
|   |                                   | Particulate matter   |  |                                     | Heavy metals                        |                                     |                                   | Additional heavy metals           |     |       | POPs   |     |                   |  |  |
|   |                                   | <input type="checkbox"/>                                       |  |                                     | <input type="checkbox"/>            |                                     |                                   | <input type="checkbox"/>          |     |       | <input type="checkbox"/>                           |     |                   |  |  |
|   |                                   | Comments:  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| National Inventory Report   | Description:                      |  | No NIR has been provided.  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   | Language:                         |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| PART I:<br>Yearly minimum and additional reporting                                    |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| A. Sector emissions   | Table 1A                          | 1. Main pollutants   |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | SO <sub>2</sub>  | NO <sub>x</sub>  | NH <sub>3</sub>                     | NMVOCS                              | CO                                  |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 01 - 04  | 01 - 04  | 01 - 04                             | 01 - 04                             | 01 - 04                             |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 2. Particulate matter  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | PM <sub>2.5</sub>  | PM <sub>10</sub>   | TSP                                 |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 3. Heavy metals  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | Pb   | Cd   | Hg                                  | As                                  | Cr                                  | Cu                                | Ni                                | Se  | Zn    |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   | Table 1B                          | 4. POPs  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | Aldrin   | Chlordane  | Chlordecone                         | DDT                                 | Dieldrin                            | Endrin                            | Heptachlor                        | HCB | Mirex | Toxaphene  | HCH | Hexabromobiphenyl |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | PCBs   | PCDD/F   | PAHs                                | Additional information:             |                                     |                                   | SCCP                              | PCP |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | Comments:  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| B. National totals  |                                   | 1. Main pollutants   |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | SO <sub>2</sub>  | NO <sub>x</sub>  | NH <sub>3</sub>                     | NMVOCS                              | CO                                  |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 01 - 04  | 01 - 04  | 01 - 04                             | 01 - 04                             | 01 - 04                             |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 2. Particulate matter  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | PM <sub>2.5</sub>  | PM <sub>10</sub>   | TSP                                 |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 3. Heavy metals  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | Pb   | Cd   | Hg                                  | As                                  | Cr                                  | Cu                                | Ni                                | Se  | Zn    |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | 4. POPs  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | Aldrin   | Chlordane  | Chlordecone                         | DDT                                 | Dieldrin                            | Endrin                            | Heptachlor                        | HCB | Mirex | Toxaphene  | HCH | Hexabromobiphenyl |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | PCBs   | PCDD/F   | PAHs                                | Additional information:             |                                     |                                   | SCCP                              | PCP |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   | Comments:  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| PART II:<br>5-yearly minimum reporting  |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| C. Gridded data in the EMEP 50x50 km <sup>2</sup> grid                                |                                   | National totals  |  |                                     |                                     |                                     | Sector emissions                  |                                   |     |       |  |     |                   |  |  |
|   |                                   | Table 3A <input type="checkbox"/>                              |  |                                     |                                     |                                     | Table 3B <input type="checkbox"/> |                                   |     |       |  |     |                   |  |  |
| D. Emissions from large point sources   |                                   | Table 3C <input type="checkbox"/>                              |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| E. Historical and Projected activity data and projected national total emissions      | National total emissions          |  |  |                                     |                                     | Energy consumption                  |                                   |                                   |     |       |  |     |                   |  |  |
|   | Table 2A <input type="checkbox"/> |  |  |                                     |                                     | Table 2B <input type="checkbox"/>   |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  |  |                                     |                                     | Table 2C <input type="checkbox"/>   |                                   |                                   |     |       |  |     |                   |  |  |
|   | Energy consumption for transport  |  |  |                                     |                                     | Agricultural activity               |                                   |                                   |     |       |  |     |                   |  |  |
|   |                                   |  | Table 2D <input type="checkbox"/>                                |                                     |                                     |                                     |                                   | Table 2E <input type="checkbox"/> |     |       |  |     |                   |  |  |
|   |                                   | Comments: Projections 2010 provided in NFR01 (level 1) format. |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| PART III:<br>5-yearly additional reporting/for review and assessment purposes         |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| VOC speciation / Height distribution / Temporal distribution <input type="checkbox"/> |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| % of toxic congeners of PCDD/F emissions <input type="checkbox"/>                     |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| Pre-1990 emissions of PAHs, HCB, PCDD/F and PCB <input type="checkbox"/>              |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |
| Information on natural emissions <input type="checkbox"/>                             |                                   |  |  |                                     |                                     |                                     |                                   |                                   |     |       |  |     |                   |  |  |

EMEP Emission Reporting Programme: Status report for  
UNITED KINGDOM

Part IV:  
Provision of NFR tables for years reported

|          | Years |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      | Information gaps<br>related to<br>reporting* | Comments |
|----------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|--|----------|
|          | 80    | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 | 02 | 03 | 04 | 2010 | 2015 |  |          |
| Table 1A |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ✓  | ✓  | ✓  | ✓  |      |      |  |          |
| Table 1B |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 2A |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 2B |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 2C |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 2D |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 2E |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 3A |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 3B |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |
| Table 3C |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |  |          |

\* This column indicates that reporting gaps (blank cells) have been identified in a given table of the NFR. In most cases this was due to lack of use of indicators (NO, NE, NA, IE, C, 0).