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STATUTORY INSTRUMENTS

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**2007 No. 64**

**ENVIRONMENTAL PROTECTION**

**The Air Quality Standards Regulations 2007**

*Made* - - - - - *15th January 2007*

*Laid before Parliament* *18 January 2007*

*Coming into force* *15th February 2007*

**THE AIR QUALITY STANDARDS REGULATIONS 2007**

PART 1

1. Citation, commencement and application
2. Definitions
3. Designation of Secretary of State

PART 2

CHAPTER 1

4. Preliminary and application
5. Zones and agglomerations
6. Air quality standards

CHAPTER 2

7. General attainment measures
8. Improvement plans
9. Other improvement measures

CHAPTER 3

10. Maintenance of air quality standards
11. Action plans

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## CHAPTER 4

12. Duty to assess air quality
13. Assessment methods
14. Fixed and combined measurement
15. Sampling points
16. Other assessment requirements

### PART 3

17. Measurement of PM<sub>2.5</sub>
18. Measurement of ozone precursor substances
19. Monitoring of polycyclic aromatic hydrocarbons
20. Background monitoring

### PART 4

21. General requirements
22. Information regarding zones
23. Information on concentrations
24. Information on breach of alert or information threshold
25. Information on breach of air quality standards
26. Ozone annual report
27. Information on action and improvement plans
28. Public participation in improvement plans

### PART 5

29. Transboundary pollution
30. Power to give directions
31. Collation of information etc
32. Revocations  
Signature

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#### SCHEDULE 1 — Air quality standards

PART 1 — Limit values for Group A pollutants

PART 2 — Margins of tolerance for benzene and nitrogen dioxide

PART 3 — Target values for Group B pollutants

1. The target values in the following table in each case...
2. The attainment date for each of these target values is...  
PART 4 — Target values and long-term objectives for ozone
3. In this Part— (a) all values shall be expressed in...

#### SCHEDULE 2 — Information to be included in an Improvement Plan

1. Localisation of excess pollution— (a) region; (b) city (map); and...
2. General information— (a) type of zone (city, industrial or rural...
3. Responsible authorities (names and addresses of persons responsible for the...
4. Nature and assessment of pollution— (a) concentrations observed over previous...

5. Origin of pollution— (a) list of the main emission sources...
6. Analysis of the situation— (a) details of those factors responsible...
7. Details of those measures or projects for improvements which existed...
8. Details of those measures or projects adopted with a view...
9. Details of the measures or projects planned or being researched...
10. List of the publications, documents, and work used to supplement...

SCHEDULE 3 — Alert and information thresholds

PART 1 — Alert thresholds for nitrogen dioxide and sulphur dioxide

PART 2 — Alert and information thresholds for ozone

SCHEDULE 4 — Assessment thresholds

PART 1 — Assessment thresholds for Group A pollutants

PART 2 — Assessment thresholds for Group B pollutants

PART 3 — Determination of representative concentrations

1. The representative concentration of the relevant pollutant shall be determined...
2. Where fewer than five years' data are available, measurement campaigns...

SCHEDULE 5 — Minimum number of sampling points

PART 1 — Group A pollutants: human health based limit values and alert thresholds

1. This Part sets out the minimum number of sampling points...
2. Point sources
  - PART 2 — Group A pollutants: limit values for the protection of ecosystems or vegetation
3. The following table sets out the minimum number of sampling...
4. In island zones the number of sampling points for fixed...
  - PART 3 — Group B pollutants
5. This Part sets out the minimum number of sampling points...
6. Point sources
  - PART 4 — Ozone
7. The minimum number of sampling points for fixed measurement of...
  - PART 5 — Ozone: minimum number of sampling points for fixed measurements for zones attaining the long-term objectives
8. In cases where zones attain the long-term objectives, the number...
9. The number of stations located in agglomerations and other zones...
10. The number of rural background stations shall be 1 per...

SCHEDULE 6 — Location of sampling points

PART 1 — Macroscale siting for Group A pollutants

1. Sampling points for the protection of human health
2. Sampling points shall in general be sited to avoid measuring...
3. Sampling points shall also, where possible, be representative of similar...
4. Account shall be taken of the need to locate sampling...
5. Protection of ecosystems and vegetation
  - PART 2 — Macroscale siting for Group B pollutants
6. The sites of sampling points shall be selected in such...
7. Sampling points shall in general be sited so as to...
8. Where the objective is to assess background levels the sampling...
9. Where contributions from industrial sources are to be assessed, at...
10. Sampling points shall also, where possible, be representative of similar...
  - PART 3 — Macroscale siting for ozone

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11. Sampling points for ozone shall be located in accordance with...
12. For rural and rural background stations, consideration shall be given,...  
PART 4 — Microscale siting
13. The following guidelines shall be met as far as practicable—...
14. The following factors may also be taken into account—  
PART 5 — Documentation and review of site selection
15. The site-selection procedures shall be fully documented at the classification...
16. For ozone, this requires screening and interpretation of the monitoring...

SCHEDULE 7 — Requirements for assessment methods other than fixed measurement

PART 1 — Group A pollutants

1. The following information shall be compiled for zones within which...
2. Where possible maps shall be compiled showing concentration distributions within...

PART 2 — Group B pollutants

3. Requirements for air quality models
4. Requirements for objective estimation techniques
5. Standardisation

PART 3 — Ozone and ozone precursor substances

6. The following information shall be compiled for zones within which...
7. The Secretary of State shall ensure that maps are compiled...

SCHEDULE 8 — Data quality objectives

PART 1 — Group A pollutants and PM<sub>2.5</sub>

1. Group A pollutants (other than benzene and carbon monoxide) and PM<sub>2.5</sub>
2. The accuracy of the measurement is defined as that set...
3. The accuracy for modelling and objective estimation is defined as...
4. The requirements for minimum data capture and time coverage do...
5. The Secretary of State may allow for random measurements to...
6. Benzene and carbon monoxide
7. The uncertainty (on a 95% confidence interval) of the assessment...
8. The uncertainty for modelling and objective estimation is defined as...
9. The requirements for minimum data capture and time coverage do...
10. The Secretary of State may allow for random measurements to...

PART 2 — Group B pollutants, polycyclic aromatic hydrocarbons and total gaseous mercury

11. The data quality objectives set out in the following table...
12. The uncertainty (expressed at a 95 % confidence level) of...
13. The requirements for minimum data capture and time coverage do...
14. The Secretary of State may allow for use of wet...
15. The Secretary of State may apply a minimum time coverage...  
PART 3 — Ozone and nitrogen dioxide assessed at ozone sampling points
16. The data quality objectives set out in the following table,...
17. The uncertainty (on a 95% confidence interval) of the measurement...
18. The uncertainty for modelling and objective estimation means the maximum...
19. “Time coverage” means the percentage of time considered for settling...
20. “Data capture” means the ratio of the time for which...
21. The requirements for minimum data capture and time coverage do...

SCHEDULE 9 — Reference methods

PART 1 — Group A pollutants

PART 2 — Group B pollutants in ambient air

PART 3 — Ozone

PART 4 — Other reference methods

SCHEDULE 10 — Ozone precursor substances

1. Objectives
2. An additional aim is to support the understanding of ozone...
3. Substances
4. The Secretary of State shall, in particular, consider measuring the...
5. Reference methods
6. Monitoring sites

SCHEDULE 11 — Public information where alert or information thresholds are exceeded

PART 1 — Alert thresholds for nitrogen dioxide and sulphur dioxide

1. In cases where the alert thresholds for nitrogen dioxide or...  
PART 2 — Alert and information thresholds for ozone
2. In cases where either the information threshold or the alert...
3. Information on any observed exceedance— (a) the location or area...
4. Forecast for the following afternoon, day or days—
5. Information on the type of population concerned, possible health effects...
6. Information provided under this Schedule shall also include—

SCHEDULE 12 — Collation of information and criteria for aggregating data and calculating statistical parameters

PART 1 — Information to be submitted to the Commission

1. The following information on ozone concentrations shall be obtained and...
2. The Secretary of State shall also ensure that the following...
3. Data compiled in monthly reports shall be considered provisional and...  
PART 2 — Criteria for aggregating data and calculating statistical parameters
4. In this Part, percentiles are to be calculated using the...
5. The following criteria are to be used for checking validity...

Explanatory Note