



## CLEAN AIR ACT 1993

Sections 14 & 15 - CHIMNEY HEIGHTS (Note 1)

### Application for approval of the height of chimney(s) serving furnace(s)

Name and address of local authority

A.

**Full name and address of applicant**

Tel. No.

Address of premises where chimney(s) is/are or will be constructed (if different from above)

Name and address of consultant, contractor or other agent (if employed)

Tel. No.

B.

**Brief description of proposed works**

C.

**Category under which chimney height approval is sought**

(tick box)

(a) Construction of new chimney(s).

(b) Increase of combustion space of existing furnace. (Note 2)

(c) Replacement of furnace by one having larger combustion space.

(Signed).....Date (Note 3).....  
[ on behalf of the applicant ]

1. The third edition of the 1956 Clean Air Act Memorandum on chimney heights (issued with Joint Circular DoE 25/81 Welsh Office 12/81 ) provides technical guidance . This is available from H.M.S.O.

2. Including addition of a new furnace to an existing installation.

3. Section 15(4) of the Clean Air Act 1968 provides as follows:

"If a local authority to whom an application is duly made for approval fail to determine the application and to give a written notification of their decision to the applicant within four weeks of receiving the application or such longer period as may be agreed in writing between the applicant and the local authority, the approval applied for shall be treated as having been granted without qualification".

---

**PARTICULARS TO ACCOMPANY APPLICATION FOR APPROVAL**

**A. Description and use of furnace(s)**

1. Intended use of furnace(s) (e.g. boiler plant, power generation (CHP), generators)  
**(note 4)**
  
2. Type and description of furnace(s) Please include the number of units and the make and model of each **(Note 4)**
  
3. (a) Particulars of furnace(s) to be installed (attach plant specification if available)
  
- (b) Particulars of changes intended to existing furnace(s)
  
- (c) Particulars of furnace(s) to be removed

**B. Rating and fuel consumption (Note 4)**

4. (a) Maximum continuous rating of boiler(s) (Thermal Input in MW (megawatts) or KW (kilowatts))
  
- (b) Maximum rate of fuel consumption in kilograms per hour or cubic metres per hour  
(separately for different fuels)
  
5. (a) Type(s) of fuel to be used (separately for different furnaces) **(Note 5)**
  
- (b) Gross calorific value in MJ/kg or MJ/m<sup>3</sup> (separately for different fuels)
  
6. Sulphur content of fuel %

**C. Particulars of emissions**

7. Quantity and quality of emission from the material being heated e.g., NOx rating, PM10,  
For boilers NOx emissions should be given in mg/kWh at 0% oxygen  
For CHP's NOx emissions should be given in mgNm<sup>-3</sup> at 5% oxygen  
For generators NOx emissions should be given in mgNm<sup>-3</sup> at 6% oxygen

8. (a) Volume of chimney gases at working temperature (cubic metres per second calculated from paragraph 4(b) above)

(b) Working temperature of chimney gases in degrees C. (State point of measurement)

(c) Efflux velocity of chimney gases at working temperature and at maximum loading of plant (metres per sec.)

**D. Particulars of buildings (see attached example)**

9. Height of building to which the chimney(s) is/are attached .....

10. Length of building to which the chimney(s) is/are attached .....

11. Width of building to which the chimney(s) is/are attached .....

12. Height(s) of adjacent building(s) .....

13. Distance of adjacent buildings from proposed chimney(s) .....

14. Does the building to which the chimney is attached have an accessible roof terrace? Yes/No

If yes please supply a roof plan detailing the location of the chimney and the location of the accessible terrace and indicating the height of the chimney above the terrace.

**E. Particulars of chimney for which approval required**

14. Height of chimney above ground level .....

15. Details of construction of chimney (materials, insulation, single or multi-flue internal diameter of chimney top)

.....

**F. Supplementary information**

16. Scale site plan of proposal, together with scale site plan showing distance to general access areas e.g. roof top gardens, other emission sources on same site with heights of chimneys and approximate distances from chimney(s) for which approval is sought. The site plan must also show the surrounding topographical features and the relationship between the proposal and those features. (Use space overleaf, or attach a separate sheet. )

17. Any other information relevant to the application.

4. The information should relate to the total furnace or boiler plant which the proposed chimney will serve after all the works have been completed.

5. If oil specify type and viscosity. If solid fuel give Coal Board specification, or colliery source, if known.