

THURROCK  COUNCIL
POLLUTION CONTROL TEAM

CLEAN AIR ACT 1993 - SECTIONS 14 & 15
ENVIRONMENTAL PROTECTION ACT 1990

CHIMNEY HEIGHT APPROVAL

**APPLICATION FOR APPROVAL BY THE LOCAL AUTHORITY OF THE HEIGHT OF A CHIMNEY
SERVING A FURNACE OR FURNACES**

To: Head of Regulation
Thurrock Borough Council
Pollution Control Team
Civic Offices
New Road
Grays, Essex
RM17 6SL

Before completion please refer to the notes on page 4.

Full Name of applicant :	
Address :	
Telephone Number:	

Name of contractor, consultant or other agent if applicable:	
Address :	
Telephone Number:	

Address of premises where chimney is or will be constructed (if different from the above) :	
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Brief description of proposed works:	
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Category under which chimney height approval is sought (Note 2).

Construction of new chimney.		YES or NO
Increase of combustion space of existing furnace.		
Replacement of furnace by one having larger combustion space.		

Description and use of furnace(s)

Intended use of furnace(s) (e.g. Boiler plant, metal melting or reheating, calcining, drying etc. (See Note 5).	
Type and description of furnace(s) (Note 5).	
Particulars of furnaces to be installed	
Particulars of changes intended to existing furnaces	
Particulars of furnaces to be removed	

Rating and Fuel Consumption (Note 4)

Maximum continuous rating of furnace(s) in kW or MW (i.e. per furnace).	
Maximum rate of fuel consumption in kilograms or cubic metres per hour (separately for different fuels).	
Type(s) of fuel to be used (Note 5).	
Sulphur content of fuel % by mass (unless fired by natural gas = VLS fuel less than 0.04% sulphur).	
Gross heat input of furnace in kW or MW (heat released in the combustion chamber)	

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Particulars of emissions

Quantity and quality of emission (if any) from the material being heated e.g. fume, sulphur trioxide, hydrogen sulphide.	
Volume of flue gas emitted per second at working temperature (m ³ /sec)	
Working temperature of flue gases in degrees Centigrade. (State point of measurement).	
Efflux velocity of flue gases at working temperature and at maximum loading of plant (m/sec).	

Particulars of buildings (Note 6)

Height of building to which the chimney is attached (m).	
Length of building to which chimney is attached (m).	
Width of building to which chimney is attached (m).	
Height (s) of adjacent building(s) (m).	
Distance of adjacent building(s) from proposed chimney (m).	

Particulars of chimney(s) for which approval required

Height or proposed height of chimney above ground level (m).	
Details of construction of chimney (materials, insulation, single or multi-flue, internal diameter of chimney top).	

Supplementary Information

A brief description and/or sketch plan of other emission sources on same site with heights of chimneys and approximate distance from chimney for which approval is sought.

Any other information considered relevant to the application.

..... Signed by or on behalf of the applicant Date
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NOTES

1. An Explanatory Memorandum on the Clean Air Act 1968, with notes on Section 6, is contained in a Joint Circular (Ministry of Housing and Local Government 69/68, Welsh Office 62/68) available from H.M.S.O.

2. Furnaces to which section 5 of the Clean Air Act 1993 applies are specified in section 14 (2) of the Act as being furnaces used : -

(a) to burn pulverised fuel; or

(b) to burn, at a rate of 45.4 kgs or more an hour, any solid matter; or

(c) to burn, at a rate equivalent to 366.4 kW or more, any liquid or gaseous matter.

3 Section 14 (4) of the Clean Air Act 1993 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 authority, the approval applied for shall be deemed to have been granted without qualification."

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 and percentage Sulphur content by mass. If solid fuel, give Coal Board specification, or colliery source, if known.

6. For determining heights and widths of buildings of complex shape refer to "Chimney Heights" Third Edition of the 1956 Clean Air Act Memorandum ISBN 0 11 751556 6.

7. Where there is an installation of multiple boilers each with individual flues that are of the same height and discharge in close proximity then, for each set of boilers/furnaces of identical specification, only one application is needed per set provided the applicant makes it clear how many flues/boilers/furnaces are to be considered in each application.