



Cheshire West and Chester

Clean Air Act 1993

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

Once completed, please return this form to:
Environmental Protection
Cheshire West and Chester Council
Wyvern House
Winsford
CW7 1AH

EnvironmentalProtection@cheshirewestandchester.gov.uk
Tel: 0300 123 7038

This form should be used to apply for approval of the height of a chimney serving a furnace or boiler that will burn: Pulverised fuel or any other solid matter at a rate of 45.5 kg/h or greater, or any liquid or gaseous matter at a rate equivalent to 366.4 kilowatts or more.

Full name of applicant:
Address:
Telephone number:

Address of premises where the chimney(s) will be constructed (if different from the above)
Address:
Telephone number:

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

Brief description of proposed works:

Category under which chimney height approval is being sought

Construction of new chimney	Yes / No
Increase of combustion space of existing furnace	Yes / No
Replacement of furnace by one having a larger combustion space	Yes / No
Change of fuel so that chimney height approval is now required	Yes / No

Description and use of furnace(s)

Intended use of furnace(s) (e.g. Boiler plant, metal melting or reheating, calcining, drying etc.

Type and description of furnace(s)

Particulars of furnaces to be installed

Particulars of changes to existing furnace(s)

Particulars of furnace(s) to be removed

Rating and Fuel Consumption

Maximum continuous rating of furnace(s) in kW or MW

Maximum rate of fuel consumption in kilograms per hour or cubic metres per hour (separately for different fuels)

Types of fuel to be used:

Fuel Type	Gross calorific value (MJ/kg or MJ/m ³)	Sulphur content of fuel(s) %

Emissions

Particulars of emissions (please specify whether from the combustion of fuel or from the material being heated). Emissions to be given as g/s.

Volumetric flow of flue gas emitted 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

Height of building to which 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)

Distance to nearest openable window / fan-assisted intake (m)

Particulars of Chimney for which Approval Required

Height of the chimney above ground level (m)

Details of construction of chimney (materials, insulation, single or multi-flue, internal diameter of flue terminus)¹

¹ Efflux of flue gases shall not be impeded by any cap, cowl or other attachment

Supplementary Information

Please provide a scale site plan of the proposal, together with other emission sources on the same site, annotated with heights of chimneys and approximate distances from the chimney(s) for which approval is sought. The site plan must clearly show the relationship between the proposed and other development. The site plan must also show the surrounding topographical features and the relationship between the proposal and those features. Separate sheets may be submitted to accompany this form.

A fully worked calculation of the chimney height must be provided using the Technical Guidance Note (Dispersion) D1 – Guidelines on Discharge Stack Heights for Polluting Emissions. Alternatively, if dispersion modelling techniques have been used, details of the input and output parameters shall be submitted.

Please include any other information relevant to the application:

Signed

Applicant / On behalf of applicant

_____ Date _____

Name (block capitals) _____ Company _____