South Gloucestershire Council

CLEAN AIR ACT 1993
SECTION 15 – CHIMNEY HEIGHTS
APPLICATION FOR APPROVAL BY THE LOCAL AUTHORITY OF THE HEIGHT OF A CHIMNEY SERVING A FURNACE/BOILER

Full name and address of applicant:
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……
Telephone number:
……..

Address of premises where chimney proposed (if different from above):
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Full name and address of agent/consultant (if applicable):
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……
……
Telephone number:
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Please provide a brief description of the proposed work:
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For what purpose is chimney height approval sought (please tick):

☐ New chimney/furnace:
☐ Increase in combustion space of an existing furnace:
☐ Replacement of furnace with one having a larger combustion space:

FURNACE(S)

Intended use of furnace (e.g. boiler, metal melting/reheating, drying etc):
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Type and description of furnace (as applicable):

Particulars of furnace to be installed:
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Particulars of changes to existing furnaces:
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Particulars of furnace to be removed:
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RATING AND FUEL CONSUMPTION

Gross calorific value in MJ/Kg or MJ/m^3:
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Maximum rate of fuel consumption in kg/hr or m^3/hr:
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Type(s) of fuel to be used (and sulphur content %):
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EMISSIONS

It is recommended that the applicant follows the guidelines contained within the Third Edition of the 1956 Clean Air Act Chimney Heights Memorandum. Technical Guidance Note (Dispersion) D1, Guidelines on Discharge Stack Heights for Polluting Emissions (ISBN: 0-11-752794-7) (available from The Stationary Office Ltd – TSO 18-19 High Street Cardiff CF10 1PT).

Please show calculations (attach additional documents as necessary).

Quantity and composition of emission from the material being heated e.g. does it contain fume, dust, grit etc, or any gases such as sulphur, carbon monoxide/dioxide etc:

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Volume of chimney gases at working temperature m^3/second:

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Working temperature of chimney gases in degrees C (please state at which point this is measured):

……

Efflux velocity of chimney gases at working temperature and at maximum loading of plant (m/s):

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Stochiometric combustion volume in m^3/s (where applicable):

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……..

Position of nearest fan assisted intake (not including intakes for combustion air or fan dilution air) and openable windows. Please indicate distance of the fan from the outlet and provide a plan where available.

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BUILDINGS

Height of building to which the proposed chimney will be attached:

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Length and breadth of building to which the chimney is attached:

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Height(s)/length(s) and breadth(s) of adjacent building(s):

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……
……

Distance of adjacent buildings from proposed chimney:

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……..

PARTICULARS OF CHIMNEY

Height of chimney above ground level:
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Details of construction of chimney (material, insulation, single/multi flue, internal diameter, cap or cowl):
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ANY OTHER RELEVANT INFORMATION

Please provide a plan of the proposed chimney, indicating adjacent buildings, details of the chimney height calculation and any other relevant information.
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