

Clean Air Act 1993

Application form for:

NORTHUMBERLAND

Northumberland County Council

Sections 4, 6 and 14

Notification of proposal to install a furnace (section 4)

Application for approval of grit and dust arrestment plant (section 6)

Application for the Approval of the Height of Chimney(s) serving
Furnace(s) (section 14)

When to use this form:

Please use this form for any, or all of the following purposes:

Section 4:

Use this form to notify Northumberland County Council of your intention to install a furnace in a building or in any fixed boiler or industrial plant (excluding domestic furnaces).

Section 6:

Use this form to apply to Northumberland County Council for approval grit and dust arrestment plant serving a furnace or boiler that will burn:

- Pulverised fuel OR,
- Any other solid matter at a rate of 45.5 kilograms per hour or greater OR,
- Any liquid or gaseous matter at a rate equivalent to 366.4 kilowatts or more.

Section 14:

Use this form to apply to Northumberland County Council 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 kilograms per hour or greater OR,
- Any liquid or gaseous matter at a rate equivalent to 366.4 kilowatts or more.

When to apply:

You will need to apply for approval of a chimney height if you intend to:

- Construct a new chimney OR,
- Increase the combustion space of an existing furnace OR,
- Add a new furnace to an existing installation OR,
- Change the fuel burnt in an existing furnace OR,
- Replace a furnace with one having a larger combustion space,

AND the furnace or boiler will meet one of the requirements shown above under the section headed 'when to use this form'.

How to apply:

You should fill in as much of this form as possible. When complete please return it to:

Environmental Protection Manager	T:	+44(0)845 6006400
Public Health Protection Unit	F:	+44(0)1670 534590
Fire & Rescue Service	Email:	Public.Protection@northumberland.gov.uk
Northumberland County Council		
Northumberland Fire and Rescue Service		
Headquarters		
West Hartford Business Park		
Cramlington		
Northumberland		
NE23 3JP		

If you need any assistance in completing the form, please contact us at the address above.

Using continuation sheets:

If you need more space to answer any of the questions on the form, please use a continuation sheet; but please indicate clearly on the form that you have done so by stating a document reference number for that continuation sheet. Please also mark the continuation sheet itself clearly with the document reference number and the application site address.

Guidance

The Secretary of State has produced the following guidance on the calculation of chimney heights:

HMIP Technical Guidance Note D1: Guidelines on Discharge Stack Heights for Polluting Emissions
Published by HMSO, ISBN 0-11-752794-7

This guidance note is now unfortunately out of print, however you can request a copy from the British Library (www.bl.uk/catalogues/listings.html).

Biomass and Air Quality Guidance

Environmental Protection UK and LACORS (now Local Government Regulation) released guidance for English and Welsh local authorities on biomass and air quality during 2009. The guidance provides background material on the issues involved, and details procedures for assessing and managing the effects of biomass on air quality – specifically nitrogen dioxide (NO₂) and particulates (PM₁₀ and PM_{2.5}). A number of tools are also available to help assess the potential impacts of biomass boilers at:

<http://www.environmental-protection.org.uk/biomass/>

What happens next?

Once we have received your application, we will check to see whether it contains all the information that we need. If it does, the application is classified as 'duly made' and proceeds to the determination stage. This is when we decide whether the proposed chimney height is appropriate and we will notify you of the result within four weeks. If we fail to notify you of our decision within four weeks of receiving a duly made application, the approval applied for is treated as having been granted.

If we do not regard the chimney height within the application as appropriate, we will not approve the application. In this event, we will inform you of the lowest height that we would be prepared to approve.

If you have any questions about the determination process, please contact us at the address given above.

Appeals:

You can appeal against a decision not to approve a chimney height. Appeals should be made to the Secretary of State within 28 days of receipt of notification that the application has not been approved.

Other Statutory Requirements:

Approval of a chimney height under sections 14 and 15 of the Clean Air Act 1993 does not detract from any other statutory requirement, such as the need to obtain planning permissions, Building Regulations approval or a permit under the Environmental permitting Regulations 2010, nor does it authorise a contravention of any other enactment or any order made, granted or issued under any enactment, nor does it authorise a contravention of any rule or breach of any agreement. The provisions of the Clean Air Act 1993 relating to Smoke Control Areas may also apply.

The Operator is advised to consult the Planning Unit regarding changes that may be required as a result of this approval as they may require planning permission.

Head of Planning Services
Northumberland County Council
County Hall
Morpeth
Northumberland
NE61 2EF

T: 0845 600 6400
Email: ask@northumberland.gov.uk

Part 1 General Information

A Site and Contact Details

Full name and address of applicant:

Post Code:
Tel:
E-mail:

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

Post Code:
Tel:
E-mail:

Full name and address of consultant, contractor or other agent (if employed):

Post Code:
Tel:
E-mail:

B Proposed Works

Please provide a brief description of the proposed works:

C Category under which Chimney Height Approval is being Sought

Construction of a new chimney(s)	<input type="text" value="Yes/No"/>
Increase in combustion space of an existing furnace (including the addition of a new furnace to an existing installation)	<input type="text" value="Yes/No"/>
Replacement of furnace by one having a larger combustion space	<input type="text" value="Yes/No"/>
Change of fuel so that chimney height approval is now required	<input type="text" value="Yes/No"/>

Part 2 Particulars to Accompany Application for Approval**D Description and Use of Furnace(s) (note 1)**

What is the intended use of the furnace(s)?
(e.g. boiler plant, metal melting/reheating, drying etc)

Type and description of furnace(s) (as applicable):

- 1 Furnace(s) to be installed

- 2 Changes to existing furnace(s)

- 3 Furnace(s) to be removed

Note 1 The information should relate to the total furnace or boiler plant which the proposed chimney will serve after all the works have been completed.

E Rating and Fuel Consumption

Maximum continuous rating of boiler(s) in megawatts (MW) (note 1):

Maximum rate of fuel consumption in kilograms per hour or cubic metres per hour (separately for different fuels) (note 1):

Type(s) of fuel to be used (note 2):

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

Note 1 The information should relate to the total furnace or boiler plant which the proposed chimney will serve after all the works have been completed.

Note 2 If oil, please specify type and viscosity.

If solid fuel, give Coal Board specification, or colliery source, if known.

F Emissions

Particulars of emissions (please specify whether from the combustion of fuel or from the material being heated (if any):

Quality/Type of emission	Quantity (grams per second)

Volume of chimney gasses as working temperature, in cubic metres per second (calculated from the maximum rate of fuel consumption in section E above):

Working temperature of chimney gasses, in degrees (state point of measurement):

Efflux velocity of chimney gasses at working temperature and at maximum loading of plant, in metres per second:

Stoichiometric combustion volume, in metres cubed per second (where appropriate):

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

Type and efficiency of arrestment equipment to be fitted:

G Particulars of Building

Height of building to which chimney(s) is/are attached	<input type="text"/>
Length of building to which the chimney(s) is/are attached	<input type="text"/>
Width of building to which the chimney(s) is/are attached	<input type="text"/>
Height of adjacent buildings	<input type="text"/>
Distance of adjacent buildings from chimney(s)	<input type="text"/>

H Particulars of Chimney for which Approval Required

Height of the chimney above ground level	<input type="text"/>
Details of construction of the chimney (materials, insulation, single or multi-flue, internal diameter of chimney top) (note 3):	

I Supplementary Information

Please provide a scale site plan of the proposal, together with a scale site plan of other emission sources on the same site, 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. (Please use the space overleaf, or attach a separate sheet)

Any other information relevant to the application:

J Signature

Signed _____

Date _____

Name (Block capitals) _____

Company Name (if applicable) _____