

Application for an environmental permit

Part B2.5 – New Medium Combustion Plant and/or Specified Generator bespoke permit



ENVIRONMENT AGENCY

Fill in this part of the form together with Parts A and F1 if you are applying for a new Medium Combustion Plant and/or Specified Generator bespoke permit. If you are varying an existing installation complete Form C2.

Please read through this form and the guidance notes that are included within it.

The form can be printed off and filled in by hand. Please write clearly in the answer spaces.

It will take less than two hours to fill in this part of the application form.

Contents

- 1 About the permit
- 2 About the site
- 3 Your ability as an operator
- 4 Consultation
- 5 Supporting information
- 6 How to contact us
- Appendix 1 – Medium Combustion Plant checklist
- Appendix 2 – Generator checklist

1 About the permit

1a Discussions before your application

If you have had discussions with us before your application, give us the permit reference number or details on a separate sheet. Tell us below the reference number you have given to this extra sheet.

Permit or document reference _____

If you have an existing installation or waste operation environmental permit please quote the reference number here:

1b Is your permit for a stationary Medium Combustion Plant (MCP) and/or a stationary Specified Generator (SG) or for a mobile Specified Generator?

- | | | |
|----------------|-------------------------------------|-----------------------|
| Stationary MCP | <input checked="" type="checkbox"/> | Now go to section 2a. |
| Stationary SG | <input checked="" type="checkbox"/> | Now go to section 2b. |
| Mobile SG | <input type="checkbox"/> | Now go to section 2c. |

Operators should note that if your application is for a MCP which is also an SG then both sets of information should be provided. You should also note that in determination of the application the tighter of the two standards will apply in the permit.

2 About your MCP/SG

2a For each stationary MCP what is the address, postcode and national grid reference of where the plant is located?

Site name _____ Chatterley _____

Address _____ Chatterley Whitfield Enterprise Centre _____

_____ Chatterley, _____

_____ Stoke-on-Trent _____

Postcode ST6 8UW

National grid reference or latitude/longitude for the MCP

(for example, ST 12345 67890, or Latitude 50.6154, Longitude -1.1765.) SJ 88216 53260

To find out the 12 digit grid reference you can search on the UK Grid Reference Finder website at <http://www.gridreferencefinder.com>

For each subsequent MCP at the same address, please confirm the NGR or latitude/longitude for that particular plant.
(for example, ST 12345 67890, or Latitude 50.6154, Longitude -1.1765.)

National grid reference or latitude/longitude for the MCP SJ 88211 53268

National grid reference or latitude/longitude for the MCP SJ 88207 53275

National grid reference or latitude/longitude for the MCP SJ 88202 53282

National grid reference or latitude/longitude for the MCP SJ 88197 53290

National grid reference or latitude/longitude for the MCP SJ 88193 53297

National grid reference or latitude/longitude for the MCP SJ 88188 53304

National grid reference or latitude/longitude for the MCP SJ 88184 53311

For each of your MCP activities complete Appendix 1.

Is your permit application for a new activity (or substantial variation) for MCPs with a total aggregated thermal input of 20 MW thermal or more?

No

Yes

If yes you must either submit a report which shows how your MCP also meets the requirements of Schedule 24 of the Environmental Permitting Regulations which implement the relevant requirements of the Energy Efficiency Directive (2012/27/EU) (see [here](#)) or an explanation of why Schedule 24 does not apply in your case.

Is your permit application for an MCP that is either:

(a) an individual unit greater than or equal to 20MWth, or

(b) one that burns waste biomass as described in Article 3(18) (b) of MCPD?

If so you should confirm whether it falls under the description of an EPR Part B activity as set out below:

Do any of the MCPs on site meet the criteria of a Chapter 1, Section 1.1 Part B activity Yes, No

Do any of the MCPs on site meet the criteria of a Chapter 5, Section 5.1 Part B activity Yes, No

If you have answered Yes to either of these questions then you must complete a Best Available Techniques assessment in line with the relevant Environmental Permitting technical guidance note (see supporting information that accompanies this form on Citizen Space website) and submit it in support of your application.

Please tell us the name of the local authority in which your MCP is located. Stoke-on-Trent City Council

2b For a stationary SG what is the site name, address, postcode and national grid reference?

The 'site' means all the land the activity occupies. The grid reference should be taken at the centre of the site.

Give the site name and address.

Site name Chatterley

Address Chatterley Whitfield Enterprise Centre,
Chatterley, Stoke-on-Trent

Postcode ST6 8UW

National grid reference or latitude/longitude for the SG SJ 88216 53260

For the SG provide the 12-character Ordnance Survey national grid reference, or Latitude and Longitude expressed to 4 decimal places, e.g. Latitude 50.6154, Longitude -1.1765.

For each generator which comprises the Specified Generator complete Appendix 2.

Is your permit application for a new activity (or substantial variation) for SG with a total aggregated thermal input of 20 MW thermal or more?

No

Yes

If yes you must either submit a report which shows how your MCP also meets the requirements of Schedule 24 of the Environmental Permitting Regulations which implement the relevant requirements of the Energy Efficiency Directive (2012/27/EU) (see [here](#)) or an explanation of why Schedule 24 does not apply in your case.

Is your permit application for an SG that is an individual unit greater than or equal to 20MWth? **No**

If so you should confirm whether it falls under the description of an EPR Part B activity as set out below:

Does the SG on site meet the criteria of a Chapter 1, Section 1.1 Part B activity Yes, No

If you have answered Yes to this question then you must complete a Best Available Techniques assessment in line with the relevant Environmental Permitting technical guidance note (see supporting information that accompanies this form on Citizen Space website) and submit it in support of your application.

Please tell us the name of the local authority in which your SG is located. Stoke-on-Trent City Council

Are you applying for a SG permit that does not require dispersion modelling to assess the risk to the environment from proposed emissions to air?

If so please provide a completed copy of the Environment Agency's new 'Specified Generator Tranche B Screening Tool' to support your decision. This is available with this application form.

Are you applying for a SG permit that requires dispersion modelling to assess the risk to the environment from your proposed emissions to air?

If so please refer to "Guidance on dispersion modelling for oxides of nitrogen assessment from specified generators" available with this application form.

And submit a copy of your completed modelling report and modelling input files to us in support of your application.

If you have used the Environment Agency's new 'Specified Generator Tranche B Screening Tool' to help make your decision please also supply a copy of that completed tool with your application.

Where you wish to use a different methodology to assess the environmental impact, that methodology must address the same issues to an equivalent level of detail. The purpose of the environmental risk assessment is to demonstrate that the impacts of your proposals will be acceptable.

2c For a mobile SG what is the site name, address, postcode and national grid reference?

The 'site' means all the land the activity occupies. The grid reference should be taken at the centre of the site. Give the site name and address.

Site name _____

Address _____

Postcode _____

National grid reference or latitude/longitude for the mobile SG _____

For the SG provide the 12-character Ordnance Survey national grid reference, or Latitude and Longitude expressed to 4 decimal places, e.g. Latitude 50.6154, Longitude -1.1765.

Do you want the option of deploying your mobile SG to an Air Quality Management Area? (for location of AQMA's see [here](#))

If so tell us the background concentration of nitrogen dioxide (expressed as an annual mean in $\mu\text{g}/\text{m}^3$) in that area.

If your mobile SG is also a MCP you must complete Appendix I.

3 Your ability as an operator

3a Relevant offences

Have you, or any other relevant person, been convicted of any relevant offence?

- No Now go to **question 3b**
Yes Please give details below.

Name of the relevant person

Title

First name

Last name

Date of birth (DD/MM/YY)

Position at the time of the offence _____

Name of the court where the case was dealt with _____

Date of the conviction (DD/MM/YYYY) _____

Offence and penalty set _____

Date any appeal against the conviction will be heard
(DD/MM/YYYY) _____

If necessary, use a separate sheet to give us details of other relevant offences and tell us below the reference number you have given the extra sheet.

Document reference of the extra sheet _____

3b Finances

Please note that if you knowingly or carelessly make a statement that is false or misleading to help you get an environmental permit (for yourself or anyone else), you may be committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

Do you or any relevant person or a company in which you were a relevant person have current or past bankruptcy or insolvency proceedings against you?

No Now go to **question 3c**

Yes Please give details below, including the required set-up costs (including infrastructure) and maintenance costs for the proposed facility against which a credit check may be assessed.

We may want to contact a credit-reference agency for a report about your business's finances.

3c Management systems

You must have an effective, written management system in place that identifies and reduces the risk of pollution. You may show this by using a certified scheme or your own system.

Your permit requires you (as the operator) to ensure that you manage and operate your activities in accordance with a written management system.

You can find guidance on management systems on the Gov.UK website ([here](#))

Tick this box to confirm that you have read the guidance and your management system will meet our requirements

4 Consultation

4a Is the MCP or SG located within an Air Quality Management Area (AQMA)? Check [here](#).

No Now go to **question 5**

Yes

If Yes what is the name of the AQMA? Stoke-on-Trent Air Quality Management Order 2011

And what is the name of the local authority?

Stoke-on-Trent City Council

5 Supporting information

5a Provide a non-technical summary of your application

Write a non-technical summary that explains your application in non-technical language as much as possible avoiding technical terms, detailed data and scientific discussion. It should include a summary of the regulated facility, a summary of the key technical standards and control measures arising from your risk assessment. If your application is for mobile plant describe the mobility of your plant and how you intend to operate.

Document reference of the summary

S2587-0120-0001NP MCP Application Pack_____

6 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

Appendix I Medium Combustion Plant checklist

Information to be provided by the operator to the competent authority for each Medium Combustion Plant as identified in Annex I of Medium Combustion Plant Directive (EU/2015/2193)

MCP specific identifier*	MTU 20V4000 GS Engine 1 MTU 20V4000 GS Engine 2 MTU 20V4000 GS Engine 3 MTU 20V4000 GS Engine 4 MTU 20V4000 GS Engine 5 MTU 20V4000 GS Engine 6 MTU 20V4000 GS Engine 7 MTU 20V4000 GS Engine 8
12 digit grid reference or latitude/longitude	SJ 88216 53260 SJ 88211 53268 SJ 88207 53275 SJ 88202 53282 SJ 88197 53290 SJ 88193 53297 SJ 88188 53304 SJ 88184 53311
Rated thermal input (MW) of the MCP	47.72 MWth
Type of MCP (diesel engine, gas turbine, other engine or other MCP)	Gas engine
Type of fuels used: gas oil (diesel), natural gas, gaseous fuels other than natural gas	Natural gas
Date when the new MCP was first put into operation	N/A
Sector of activity of the MCP or the facility in which it is applied (NACE code)	D35.1.1 - Production of electricity
Expected number of annual operating hours of the MCP and average load in use	2,000 hours 100% average load in use
Where the option of exemption under Article 6(8) is used the operator (as identified on Form A) should sign a declaration here that the MCP will not be operated more than the number of hours referred to in this paragraph	N/A

*identifier - the MCP must be traceable via a serial number or other unique identifier, name plate, manufacturer and or model

NACE code* means Nomenclature of Economic Activities and is the European statistical classification of economic activities.

To find out the 12 digit grid reference you can search on the UK Grid Reference Finder website at <http://www.gridreferencefinder.com>

Appendix 2 Generator checklist

Information to be provided by the operator to the competent authority for each generator which comprises the Specified Generator (Excluded generators are not required to be included in this appendix)

The rated thermal input in MW thermal	MTU 20V4000 GS Engine 1 5.965 MWth MTU 20V4000 GS Engine 2 5.965 MWth MTU 20V4000 GS Engine 3 5.965 MWth MTU 20V4000 GS Engine 4 5.965 MWth MTU 20V4000 GS Engine 5 5.965 MWth MTU 20V4000 GS Engine 6 5.965 MWth MTU 20V4000 GS Engine 7 5.965 MWth MTU 20V4000 GS Engine 8 5.965 MWth
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Form EPB: Application for an environmental permit – Part B2.5 MCP/SG – new bespoke

Details of any capacity agreement(s) or balancing service agreement(s) for each individual generator i.e. if they are Tranche A or Tranche B generators	Subject only to a capacity agreement resulting from the 2016 T-4 capacity auction – i.e. Tranche B generator
The total rated thermal input of all generators on site	47.72 MWth
Will the operating hours for each individual Tranche A generator be restricted to 50 hour or less per year	N/A
Will the aggregated operating hours for all Tranche A generators be restricted to 50 hour or less per year	N/A
Will the NOx emissions of any individual Tranche A generator will be greater than 500mg/Nm3 per year (STP, 15% O₂)	N/A

If additional space is needed to complete the application then please supply additional information on supporting pages or spreadsheet.