

# Application for an environmental permit Part B3 – New bespoke installation permit



**If you are applying for a new bespoke permit for an installation, fill in this part of the form, together with parts A, B2 and F1.**

**Please read through this form and the guidance notes that came with it. Please write clearly in the answer spaces.**

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

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## 1 What activities are you applying for?

Fill in table 1a below with details of all the activities listed in schedule 1 of the Environmental Permitting Regulations (EPR) and all directly associated activities (DAAs) (in separate rows) that you propose to carry out at the installation.

Fill in a separate table for each installation you are applying for. Use a separate sheet if you have a long list and send it to us with your application form. Tell us below the reference you have given the document.

Document reference

**Table 1a – Types of activities**

Schedule 1 listed activities						
Installation name	Schedule 1 references (See note 1)	Description of the Activity (See note 2)	Activity capacity (See note 3)	Annex IIA or IIB (disposal and recovery) codes and descriptions	Hazardous waste treatment capacity (if this applies) (See note 3)	Non hazardous waste treatment capacity (if this applies) (See note 3)
Add extra rows if you need them	Put your main activity first			For installations that take waste only	For installations that take waste only	For installations that take waste only
Directly associated activities (See note 4)						
Name of DAA	Description of the DAA (please identify the schedule 1 activity it serves)					
Add extra rows if you need them						
For installations that take waste	Total storage capacity (See note 5 below)					
	Annual throughput (tonnes each year)					

## 1 What activities are you applying for?, continued

### Notes

- 1 Quote the section number, part A1 or A2 or B, then paragraph and sub paragraph number as shown in part 2 of schedule 1 to the regulations.
- 2 Use the description from schedule 1 of the regulations. Include any extra detail that you think would help to accurately describe what you want to do.
- 3 By 'capacity', we mean:
  - the total incineration capacity (tonnes every hour) for waste incinerators;
  - the total landfill capacity (cubic metres) for landfills;
  - the total treatment capacity (tonnes each day) for waste treatment;
  - the total storage capacity (tonnes) for waste storage operations;
  - the processing and production capacity for manufacturing operations; or
  - the thermal input capacity for combustion activities.
- 4 Fill this in as a separate line and give an accurate description of any other activities associated with your schedule 1 activities. You cannot have DAAs as part of a mobile plant application.
- 5 By 'total storage capacity', we mean the maximum amount of waste, in tonnes, you store on the site at any one time.

### Types of waste accepted

For those installations that take waste, for each line in table 1a (including DAAs), fill in a separate document to list those types of waste you will accept onto the site for that activity. Give the List of Wastes catalogue code and description. If you need to exclude wastes from your activity or facility by restricting the description, quantity, physical nature, hazardous properties, composition or characteristic of the waste, include these in the document. Send it to us with your application form.

Please provide the reference for each document.

You can use table 1b as a template.

If you want to accept any waste with a code ending in 99, you must provide more information and a full description in the document.

Document reference for this extra information \_\_\_\_\_

### Table 1b – Template example – types of waste accepted and restrictions

Waste code	Description of waste
Example 02 01 08*	Example Agrochemical waste containing dangerous substances
06 01 02*	Hydrochloric acid

## 2 Emissions to air, water and land

Fill in table 2 below with details of the emissions that result from the operating techniques at each of your installations.

Fill in one table for each installation.

### Table 2 – Emissions (releases)

Installation name				
Point source emissions to air				
Emission point reference and location	Source	Parameter	Quantity	Unit
Point source emissions to water (other than sewers)				

## 2 Emissions to air, water and land, continued

**Table 2 – Emissions, continued**

Emission point reference and location	Source	Parameter	Quantity	Unit
<b>Point source emissions to sewers, effluent treatment plants or other transfers off site</b>				
Emission point reference and location	Source	Parameter	Quantity	Unit
<b>Point source emissions to land</b>				
Emission point reference and location	Source	Parameter	Quantity	Unit

### Supporting information

## 3 Operating techniques

### 3a Technical standards

Fill in table 3a for each activity at the installation you have referred to in table 1a above and list the relevant technical guidance note (TGN) or notes you are planning to use. If you are planning to use the standards set out in the TGN, there is no need to justify using them.

You must justify your decisions in a separate document if:

- there is no technical standard;
- the technical guidance provides a choice of standards; or
- you plan to use another standard.

This justification could include a reference to the Environmental Risk Assessment provided in section 7 of part B2 (General Bespoke Permit) of the application form.

The documents in table 3a should summarise the main measures you use to control the main issues identified in the H1 assessment or technical guidance. For each of the activities listed in table 3a, describe the type of operation and the options you have chosen for controlling emissions from your process.

### 3 Operating techniques, continued

**Table 3a – Technical standards**

Note: Fill in a separate table for each activity at the installation.

Installation name		
Schedule 1 activity or directly associated activity description	Relevant technical guidance note (You will need to refer to 'How to comply' for all permits)	Document reference (if appropriate)
	'How to comply'	

If appropriate, use block diagrams to help describe the operation and process. Give the document references you use for each diagram and description.

Document reference

#### 3b General requirements

Fill in a separate table 3b for each installation.

**Table 3b – General requirements**

Installation name	
If the TGN or H1 assessment shows that fugitive releases are an important issue, send us your plan for managing fugitive releases	Document reference or references
If the TGN or H1 assessment shows that odours are an important issue, send us your odour management plan	Document reference or references
If the TGN or H1 assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both)	Document reference or references

#### 3c Types and amounts of raw materials

Fill in table 3c for all schedule 1 activities. Fill in a separate table for each installation.

**Table 3c – Types and amounts of raw materials**

Installation name				
Capacity (See note 1 below)				
Schedule 1 activity	Description of raw material and composition material	Maximum amount (tonnes) (See note 2 below)	Annual throughput (tonnes each year)	Description of how the raw material is used including any main hazards (include safety information sheets)

**Notes**

- 1 By 'capacity', we mean the total storage capacity (tonnes) or total treatment capacity (tonnes each day).
- 2 By 'maximum amount', we mean the maximum amount of raw materials on your site at any one time.

### 3 Operating techniques, continued

Use a separate sheet if you have a long list of raw materials, and send it to us with your application form. Please also provide the document reference you have given the extra sheet.

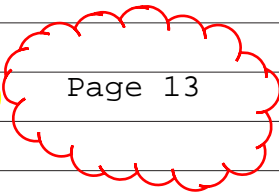
Document reference

#### 3d Information for specific sectors

For some of the sectors, we need more information to be able to set appropriate conditions in the permit. This is as well as the information you may provide in sections 5, 6 and 7. For those activities listed below, you must answer the questions in the related document.

**Table 3d – Questions for specific sectors**

Sector	Appendix
Combustion	See the questions in appendix 1
Chemicals	See the questions in appendix 2
Intensive farming	See the questions in appendix 3
Clinical waste	See the questions in appendix 4
Disposing of and recovering hazardous waste	See the questions in appendix 5
Incinerating waste	See the questions in appendix 6
Landfill	See the questions in appendix 7



### General information

#### 4 Monitoring

##### 4a Describe the measures you use for monitoring emissions by referring to each emission point in table 2 above

You should also describe any environmental monitoring. Tell us:

- how often you use these measures;
- the methods you use; and
- the procedures you follow to assess the measures.

Document reference for this information

##### 4b Point source emissions to air only

Provide an assessment of the sampling locations you have used to measure point source emissions to air. The assessment must use M1 (see the guidance notes on part B3).

Document reference of the assessment

#### 5 Environmental impact assessment

##### 5a Have your proposals had an environmental impact assessment under Council Directive 85/337/EEC of 27 June 1985 [Environmental Impact Assessment] (EIA)?

No  Now go to section 6

Yes  Please provide a copy of the environmental statement and, if the procedure has been completed:

- a copy of the planning permission; and
- the committee report and decision on the EIA.

Document reference for the copy

#### 6 Resource efficiency and climate change

If the site is a landfill, you only need to fill in this section if the application includes landfill gas engines.

##### 6a Describe the basic measures for improving how energy efficient your activities are

Document reference of this description

##### 6b Provide a breakdown of any changes to the energy your activities use and create

Document reference of the breakdown

## 6 Resource efficiency and climate change, continued

### 6c Have you entered into, or will you enter into, a climate change levy agreement?

No  Describe the specific measures you use for improving your energy efficiency.

Document reference of this description

Yes  Please give the date you entered (or the date you expect to enter) into the agreement (DD/MM/YYYY)

Please also provide documents that prove you are taking part in the agreement.

Document reference of the proof you are providing

### 6d Tell us about, and justify your reasons for, the raw and other materials, other substances and water you will use

Document reference of this document

### 6e Describe how you avoid producing waste in line with Council Directive 2006/12/EC on waste

If you produce waste, describe how you recover it.

If it is technically and financially impossible to recover the waste, describe how you dispose of it while avoiding or reducing any effect it has on the environment.

Document reference for your description

## 7 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: 08708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 08702 422 549 (Monday to Friday, 8am to 6pm)

Email: [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)

Website: [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)

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.**

## Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form? \_\_\_\_\_

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



### For Environment Agency use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No

Yes

Amount received

£ \_\_\_\_\_



**Plain English Campaign's Crystal Mark does not apply to appendices 1 to 7.****Appendix 1 – Specific questions for the combustion sector****1 Identify the type of fuel burned in your combustion units (including when your units are started up, shut down and run as normal). If your units are dual fuelled (that is, use two types of fuel), list both the fuels you use**

Fill in a separate table for each installation.

Installation reference			
Type of fuel	When run as normal	When started up	When shut down
Coal			
Gas oil			
Heavy fuel oil			
Natural gas			
WID waste			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Other			

**Notes**

1 Not covered by WID.

2 'Biomass' is referred to in [www.opsi.gov.uk/si/si2002/20020914.htm](http://www.opsi.gov.uk/si/si2002/20020914.htm).

Give extra information if it helps to explain the fuel you use.

Document reference \_\_\_\_\_

**2 Give the composition range of any fuels you are currently allowed to burn in your combustion plant**

Fill in a separate table for each installation.

Fuel use and analysis					
Installation reference					
Parameter	Unit	Fuel 1	Fuel 2	Fuel 3	Fuel 4
Maximum percentage of gross thermal input	%				
Moisture	%				
Ash	% wt/wt dry				
Sulphur	% wt/wt dry				
Chlorine	% wt/wt dry				
Arsenic	% wt/wt dry				
Cadmium	% wt/wt dry				
Carbon	% wt/wt dry				
Chromium	% wt/wt dry				
Copper	% wt/wt dry				
Hydrogen	% wt/wt dry				
Lead	% wt/wt dry				
Mercury	% wt/wt dry				
Nickel	% wt/wt dry				
Nitrogen	% wt/wt dry				
Oxygen	% wt/wt dry				
Vanadium	mg/kg dry				
Zinc	mg/kg dry				
Net calorific value	MJ/kg				

**Appendix 1 – Specific questions for the combustion sector, continued**

**3 If NOx factors are necessary for reporting purposes (that is, if you do not need to monitor emissions), please provide the factors associated with burning the relevant fuels**

Fill in a separate table for each installation.

Installation reference	
Fuel	NOx factor (kgt <sup>-1</sup> )
Fuel 1	
Fuel 2	
Fuel 3	
Fuel 4	

Note: kgt<sup>-1</sup> means kilograms of nitrogen oxides released for each tonne of fuel burned.

**4 Will your combustion plant be subject to the Large Combustion Plant Directive? (see Government guidance)**

No  Now fill in part F

Yes

**5 Is your plant**

an existing plant (a plant licensed before 1 July 1987)?

a new plant (a plant licensed on or after 1 July 1987 but before 27 November 2002, or a plant for which an application was made before 27 November 2002 and which was put into operation before 27 November 2003)?

or

a new-new plant (a plant for which an application was made on or after 27 November 2002)?

**6 If you run more than one type of plant or a number of the same type of plant on your installation, please list them in the table below**

Fill in a separate table for each installation.

Installation reference	
Type of plant	Number within installation
Existing	
New	
New-new	
Gas turbine (group A)	
Gas turbine (group B)	

**7 If you run an existing plant, have you submitted a declaration for the ‘limited life derogation’ set out in Article 4(4)(a) of the LCPD?**

No  Now go to section 9

Yes

**8 Have you subsequently withdrawn your declaration?**

No

Yes

**9 List the existing large combustion plants (LCPs) which have annual mass allowances under the National Emission Reduction Plan (NERP), and those with emission limit values (ELVs) under the LCPD**

Installation reference	
LCPs under NERP	LCPs with ELVs

## Appendix 1 – Specific questions for the combustion sector, continued

### 10 Do you meet the monitoring requirements of the LCPD?

No  Provide details

Document reference

Yes

## Appendix 2 – Specific questions for the chemical sector

### 1 Please provide a technical description of your activities

The description should be enough to allow us to understand:

- the process;
- the main plant and equipment used for each process;
- all reactions, including significant side reactions (that is, the chemistry of the process);
- the material mass flows (including by products and side streams) and the temperatures and pressures in major vessels;
- the all emission control systems (both hardware and management systems), for situations which could involve releasing a significant amount of emissions – particularly the main reactions and how they are controlled;
- a comparison of the indicative BATs and benchmark emission levels standards in Technical Guidance Notes (TGNs) EPR 4.01, EPR 4.02 and EPR 4.03, and chemical sector BREFs.

Document reference

### 2 If you are applying for a multi purpose plant, do you have a multi product protocol in place to control the changes?

No

Yes  Provide a copy of your protocol to accompany this application

Document reference

### 3 Does the Solvents Emissions Directive (SED) apply to your activities?

No

Yes  Fill in the following

#### 3a List the activities which are controlled under the SED

Installation reference	
Activities	

#### 3b Describe how the list of activities in question 3a above meets the requirements of the SED

Document reference

**Appendix 3 – Specific questions for the intensive farming sector**

**1 For each type of livestock, tell us the number of animal places you are applying for**

Installation reference	
Type of livestock	Number of places

**2 Is manure or slurry exported from the site?**

No

Yes

**3 Is manure or slurry spread on the site?**

No

Yes

## Appendix 4 – Specific questions for the clinical waste sector

If you are applying for an activity covered by the Waste Incineration Directive and wish to accept clinical waste you should fill in questions 1, 2 and 3 of this appendix.

Note: If your procedures are fully in line with the standards set out in EPR5.07 then you should tick the ‘yes’ box and provide the procedure reference. There is no need for you to supply a copy of the procedure.

### 1 Are pre acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.2 of EPR 5.07 and which are used to assess a waste enquiry before it is accepted at the installation?

No  Provide justification for departure from EPR 5.07 and submit a copy of the procedures

Document reference

\_\_\_\_\_

Yes  Document reference

\_\_\_\_\_

### 2 Are waste acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.2 of EPR 5.07, and which are used to cover issues such as loads arriving and being inspected, sampling waste, rejecting waste, and keeping records to track waste?

No  Provide justification for departure from EPR 5.07 and submit a copy of the procedures

Document reference

\_\_\_\_\_

Yes  Document reference

\_\_\_\_\_

### 3 Are waste storage, handling and dispatch procedures, and infrastructure in place that are fully in line with the appropriate measures set out in section 3.2 of EPR 5.07?

No  Provide justification for departure from EPR 5.07 and submit a copy of the procedures

Document reference

\_\_\_\_\_

Yes  Document reference

\_\_\_\_\_

### 4 Are monitoring procedures in place that are fully in line with the appropriate measures set out in section 3.3 of EPR 5.07?

No  Provide justification for departure from EPR 5.07 and submit a copy of the procedures

Document reference

\_\_\_\_\_

Yes  Document reference

\_\_\_\_\_

### 5 Are you proposing to either

- accept an additional waste not included in table 2.1 of section 2.1 of EPR 5.07, or
- apply a permitted activity to a waste other than that identified for that waste in table 2.1?

No

Yes  Provide justification

Document reference

\_\_\_\_\_

### 6 Please provide a summary description of the treatment activities undertaken on the installation. This should cover the general principles set out in section 2.1.4 of EPR 5.07

Document reference

\_\_\_\_\_

### 7 Please provide layout plans detailing the location of each treatment plant and main plant items and process flow diagrams for the treatment plant

Document reference

\_\_\_\_\_

## Appendix 5 – Specific questions for the hazardous and non hazardous waste recovery and disposal sector

Note: If your procedures are fully in line with the standards set out in SGN 5.06 then you should tick the ‘yes’ box and provide the procedure reference. There is no need for you to supply a copy of the procedure.

### 1 Are pre acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.1.1 of SGN 5.06, and which are used to assess a waste enquiry before it is accepted at the installation?

No  Provide justification for departure from SGN 5.06 and submit a copy of the procedures

Document reference \_\_\_\_\_

Yes  Document reference \_\_\_\_\_

### 2 Are waste acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.1.2 of SGN 5.06, and which are used to cover issues such as loads arriving and being inspected, sampling waste, rejecting waste, and keeping records to track waste?

No  Provide justification for departure from SGN 5.06 and submit a copy of the procedures

Document reference \_\_\_\_\_

Yes  Document reference \_\_\_\_\_

### 3 Are waste storage procedures and infrastructure in place that are fully in line with the appropriate measures set out in section 2.1.3 of SGN 5.06?

No  Provide justification for departure from SGN 5.06 and submit a copy of the procedures

Document reference \_\_\_\_\_

Yes  Document reference \_\_\_\_\_

### 4 Provide a layout plan giving details of where the installation is based, the infrastructure in place (including areas and structures for separately storing types of waste which may be dangerous to store together) and capacity of waste storage areas and structures

Document reference \_\_\_\_\_

### 5 Provide a summary of the treatment activities carried out on the installation. This should cover the general principles set out in section 2.1.4 of SGN 5.06 and the specific principles set out in sections 2.1.5 to 2.1.15 as appropriate of SGN 5.06

Document reference \_\_\_\_\_

### 6 Provide layout plans giving details of where each treatment plant is based, the main items at each plant, and process flow diagrams for the treatment plant

Document reference or references \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Appendix 6 – Specific questions for the waste incineration sector**

If you are proposing to accept clinical waste please also fill in questions 1, 2 and 3 of appendix 4 above.

**1a Do you run incineration plants as defined by the Waste Incineration Directive (2000/76/EC) (WID)?**

No  You do not need to answer any other questions in this appendix

Yes  WID applies

**1b Are you subject to WID as an incinerator or co incinerator?**

As an incinerator

As a co incinerator

**2 Do any of the installations contain more than one incineration line?**

No  Now go to section 4

Yes

**3 How many incineration lines are there within each installation?**

Fill in a separate table for each installation

Installation reference	
Number of incineration lines within the installation	
Reference identifiers for each line	

You must provide the information we ask for in questions 4, 5 and 6 below in separate documents. The information must at least include all the details set out in section 2 ('Key Issues') of TGN S5.01 (under the subheading 'European legislation and your application for an EP Permit').

**4 Describe how the plant is designed, equipped and will be run to make sure it meets the requirements of Council Directive 2000/76/EC, taking into account the categories of waste which will be incinerated**

Document reference

**5 Describe how the heat created during the incineration and co incineration process is recovered as far as possible (for example, through combined heat and power, creating process steam or district heating)**

Document reference

**6 Describe how you will limit the amount and harmful effects of residues and describe how they will be recycled where this is appropriate**

Document reference

For each line identified in question 3, answer questions 7 to 13 below

Question 3 identifier, if necessary

**7 Do you want to take advantage of the Article 13 allowance (see below) if the particulates, CO or TOC continuous emission monitors (CEM) fail?**

No

Yes  Article 13 WID allows 'abnormal operation' of the incineration plant under certain circumstances when the CEM for releases to air have failed. Article 13 (4) sets maximum half hourly average release levels for particulates (150mg/m<sup>3</sup>), CO (normal ELV) and TOC (normal ELV) during abnormal operation.

Describe the other system you use to show you keep to the requirements of Article 13(4) (for example, using another CEM, providing a portable CEM to insert if the main CEM fails, and so on).



## Appendix 6 – Specific questions for the waste incineration sector, continued

### 8 Do you want to replace continuous HF emission monitoring with periodic hydrogen fluoride (HF) emission monitoring by relying on continuous hydrogen chloride (HCl) monitoring as allowed by WID Article 11(4)?

Under WID Article 11 (4), you do not have to continuously monitor emissions for hydrogen fluoride if you control hydrogen chloride and keep it to a level below the HCl ELVs.

No

Yes  Please give reasons for doing this

### 9 Do you want to replace continuous water vapour monitoring with pre analysis drying of exhaust gas samples, as allowed by WID Article 11 (5)?

Under WID Article 11 (5), you do not have to continuously monitor the amount of water vapour in the air released if the sampled exhaust gas is dried before the emissions are analysed.

No

Yes  Please give your reasons for doing this

### 10 Do you want to replace continuous hydrogen chloride (HCl) emission monitoring with periodic HCl emission monitoring, as allowed by WID Article 11 (6)?

Under WID Article 11 (6), you do not have to continuously monitor emissions for hydrogen chloride if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No

Yes  Please give your reasons for doing this

## Appendix 6 – Specific questions for the waste incineration sector, continued

### 11 Do you want to replace continuous HF emission monitoring with periodic HF emission monitoring, as allowed by WID Article 11 (6)?

Under WID Article 11 (6), you do not have to continuously monitor emissions for hydrogen fluoride if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No

Yes  Please give your reasons for doing this

### 12 Do you want to replace continuous SO<sub>2</sub> emission monitoring with periodic sulphur dioxide (SO<sub>2</sub>) emission monitoring, as allowed by WID Article 11 (6)?

Under WID Article 11 (6), you do not have to continuously monitor emissions for sulphur dioxide if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No

Yes  Please give your reasons for doing this

### 13 If your plant uses fluidised bed technology, do you want to apply for a derogation of the CO WID ELV to a maximum of 100 mg/m<sup>3</sup> as an hourly average, as allowed by WID Annex V (e)?

No

Does not apply

Yes  Please give your reasons for doing this

## Appendix 7 – Specific questions for the landfill sector

### 1 Provide your Environmental Setting and Installation Design (ESID) report

Document reference

### 2 Provide your hydrogeological risk assessment (HRA) for the site

Document reference

### 3 Provide your stability risk assessment (SRA) for the site

Document reference

### 4 Provide your landfill gas risk assessment (LFGRA) for the site

Document reference

We have developed templates for these four reports which can be found within H1 – Landfill Annex.

### 5 Provide your proposed plan for closing the site and your procedures for looking after the site once it has closed

Document reference