

Application for: Schedule 13 Permit to Operate Small Waste Incineration Plant (SWIP)

**Local Authority - Integrated Pollution Prevention and Control Act 1999
Environmental Permitting (England and Wales) Regulations 2016**

Introduction

When to use this form

Use this form if you are sending an application for Schedule 13 Small Waste Incineration Plant ("SWIP") installation to Telford and Wrekin Council under the Environmental Permitting (England and Wales) Regulations 2016 ("the EP Regulations")

Before you start to fill in this form

You are strongly advised to read relevant parts of the DEFRA general guidance manual issued for LA-IPPC and LAPPC and available at www.defra.gov.uk. (Search for 'Environmental Permitting General Guidance Manual'.) The guidance manual contains information you may need to refer to when preparing your application.

It is usually sensible to talk to one of our pollution control officers before you complete and submit the application. Contact the Environmental Protection team either by phone 01952 381818 or by emailing public.protection@telford.gov.uk

The EP Regulations can be obtained from www.legislation.gov.uk

Which parts of the form to fill in

You should fill in as much of this form as possible. The appropriate fee must be enclosed with the application to enable it to be processed further. When complete return to:

Public Protection
Telford and Wrekin Council
Addenbrooke House
Ironmasters Way
Telford
TF3 4NT

Other documents you may need to submit

There are number of other documents you will need to send us with your application. Each time a request for a document is made in the application form, you will need to record a document reference number for the document(s) that you are submitting, within the space provided on the form for this purpose. Please also mark the document(s) clearly with this reference number and the application reference number.

Using continuation sheets

In the case of the questions on the application form itself, please use a continuation sheet if you need extra space; 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 information referred to above.

Copies

Please send the original copies of the form and all other supporting material, to assist the Authority in conducting any necessary consultation process.

For Local Authority use only		
Application Reference:	Officer Reference:	Date received:

Section A - Applicant details

A1.1 Name of the installation

Installation of a new 1,650kW waste wood combustion boiler with a throughput of 0.7 tonnes/hour burning Grade C non-hazardous waste wood

A1.2

Please give the address of the site of the installation:

Besblock Ltd, Halesfield 21, Halesfield, Telford, TF7 4NF

Postcode: TF7 4NF

Telephone: 01952 685000

Email: nigel.chadwick@besblock.co.uk

A1.3 Provide the Ordnance Survey national grid reference 8 characters, For example, SJ 123 456 (can be obtained from typing postcode into one of the on-line mapping sites)

S	J	7	1	2	0	5	3
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A1.4 Existing permits

Please give details of any existing environmental permits, waste permits, or waste exemptions for the installation under the Environmental Permitting (England and Wales) Regulations 2016 issued by either Telford and Wrekin Council or the Environment Agency, or any water discharge consents. Please include reference number(s) and type(s):

A1.4 Document reference number: Environmental Permit 08/00013/PPCB (Document Reference: Besblock Permit) issued by Telford and Wrekin Council – permission to carry out a Mineral Activity under Section 3,1, Part B(b) of the Environmental Permitting Regulations 2010 Schedule 1.

A2 The Operator

Please provide the information requested below about the “Operator”, which means the person who it is proposed will have control over the installation in accordance with the permit (if granted).

A2.1 Please provide the full name of the individual, company, partnership, or corporate body who will be the Operator.

Besblock Limited

A2.2 Please provide the trading/business name (if different from the Operator name)

A2.3 Please provide the Operator’s registered office address

Besblock Ltd, Halesfield 21, Halesfield, Telford, Shropshire

Postcode: TF7 4NF

Telephone number: 01952 685000

Email address: nigel.chadwick@besblock.co.uk

Company registration number: 01059042

A2.4 Please provide the Operator’s Principal Office name and address (if different)



_____ Postcode:

Telephone number: _____

Email address: _____

Company registration number (if different) _____

A2.5 Is the Operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006?

No

Yes if 'yes', state name of ultimate holding company

Name of ultimate holding company

Registered office address _____

_____ Postcode

Telephone number: _____

Email address: _____

Company registration number _____

Principal office name and address (if different) _____

_____ Postcode

Telephone number: _____

Email address: _____

Company registration number (if different) _____

A3 who can we contact about your application?

A3.1 It will help to have someone who we can contact directly with any questions about your application. The person you name should have the authority to act on behalf of the Operator (this can be an agent or consultant).

Name: Martin Ropka

Position held: Senior Consultant – Walker Resource Management (WRM)

Address: 18 Manor Square, Otley, West Yorkshire

Postcode: LS21 3AY

Telephone number: 07471 228437 (Mobile) 01943 667 037 (Office)

Email address: martin.ropka@wrm-ltd.co.uk

A3.2 Why is this application being made?

The installation is new

The installation is existing, but changes to the legislation means that a permit is now required.

Section B - Application Documents

B1 Site Maps and Plans

B1.1 Please provide the following:

B1.1.1 Suitable maps showing:

- a) The location of the installation,
- b) Clearly defining the extent of the installation boundary in red
- c) Clearly defining the site boundary

Document reference number: Bes_01_Site_Plan_1_2500

B1.1.2 A suitable plan showing the layout of the activities on the site, including the location of the small waste incineration plant, bulk storage of materials to be incinerated, waste storage areas for post incinerated material and all external emission points to atmosphere (this must include emission point sources and fugitive sources).

Document reference number: SP18001-ME-900-P3_Besblocks Site Plan

B1.1.3 A flowchart of the installation operations from acceptance of waste to removal of incinerated residues.

Document reference number: Besblock-2 - Process Flow Diagram

B1.1.4 A suitable plan showing the site drainage system and all discharge points to drainage and/or watercourses.

Document reference number: The Biomass boiler will be connected to the existing drainage system present on site. A description of drainage arrangements is provided in Besblock-2 – Management System.

Please see document reference SP18001-ME-900_P3 Besblocks Site Plan for a plan of the site drainage system.

B2 Waste types and waste activities

B2.1 Please provide a complete list of waste types to be incinerated within the SWIP. These can be located within “Commission Decision 2000/532/EC establishing a list of wastes” (known as the EU List of Wastes) and Appendix A of the “Technical Guidance WM3: Waste Classification – Guidance on the classification and assessment of waste 1st Edition 2015. Issued by The Environment Agency (et al).

Please note where a waste code is followed by an asterisk (*) you must include the asterisk within the table.

B2.1 - Table 1: Waste types to be incinerated (Please use a separate sheet if required and reference accordingly)				
Waste code	Waste description	Waste type (Hazardous, Non-hazardous, clinical)	Source	Quantity
17 02 01	Wood	Non-hazardous	Grade C waste wood sourced from local waste processing companies	Up to 4,900 tonnes per annum (Total)
19 12 07	Wood other than that mentioned in 19 12 06	Non-Hazardous	Grade C waste wood sourced from local waste processing companies	

Document reference number: B2.1 – Table 1 above.

B2.2 Hazardous waste

Where hazardous waste has been stated in Question 2.1, please state the following: a) Calorific values for each hazardous waste declared.

- b) The pollutant composition for each hazardous waste declared.
- c) Where waste has been declared as clinical, identify whether the waste is infectious clinical waste

Document reference number _____

B2.3 Delivery and reception of waste

Please provide a detailed description of the proposed waste delivery, reception and handling arrangements. Your answer must include:

- a) The precautions to be taken against the pollution of land, air and water.
- b) Precautions against noise, odour, pests and other potential risks to human health.
- c) How the mass of received waste will be measured.

Document reference number: Besblock-0 – Non-Technical Summary, Besblock-1 – Environmental Management System and Besblock-3 – Environmental Risk Assessment, Besblock-5 – Emissions Monitoring and Management Plan

B2.4 Information about waste arriving at the installation

Please provide details of how information about waste being accepted on site will be collected and checked. Your answer must include:

- a) How you will check the documentation accompanying the waste.
- b) How you will confirm the suitability of the waste for combustion, including physical and (as far as practicable) chemical information.
- c) How you will determine the precautions to be taken in handling waste.
- d) The sampling of waste to be undertaken to check that the documentation is accurate.

Document reference number: Besblock-0 – Non-Technical Summary, Besblock-1 – Management System

B2.5 Storage of waste materials

Please provide details of how the waste will be stored on site prior to incineration.

Document reference number: Besblock-0 – Non-Technical Summary, Besblock-1 – Management System, Besblock-3 – Environmental Risk Assessment, Besblock-5 – Emissions Monitoring and Management Plan

B2.6 Post incineration

Please provide details of how post incinerated residues will be handled, stored and removed from site.

Document reference number: Besblock-0 – Non-Technical Summary, Besblock-1 – Management System, Besblock -2 – Process Flow Diagram, Besblock-3 – Environmental Risk Assessment, Besblock-5 – Emissions Monitoring and Management Plan

B3 – The small waste incineration plant (SWIP)

Please provide in this section written information about the aspects of your installation listed below. We need this information to determine whether you will operate the installation in a way in which will meet all the environmental requirements of the Regulations.

B3.1 Description of the SWIP

Please provide a detailed technical description of the SWIP and how it operates, including the information required by Table 2. Where there is more than one SWIP please use a separate sheet and reference accordingly.

B3.1 – Table 2 Description of the SWIP			
Small Waste Incineration Plant			
Name and address of manufacturer	BINDER Energietechnik GMBH, Mitterdorfer Street 5, 8572 Bämbach, Austria		
Model name/number	Steam DK		
Year of manufacture	2020		
Serial number	Not known at time of application		
Thermal input kW	1650		
Rate of incineration (kg/hr)	0.7kg/hr		
temperature	850°C	Inlet temperature	104°C
Residence time (s)	2 seconds	Outlet temperature	158.9°C
Secondary combustion chamber/ afterburner			
Afterburner fitted?		Inlet temperature	
Residence time (s)		Outlet temperature	
Proposed stack and discharge conditions			
Stack height (m)	16		
Efflux speed (m/s)	6.4		
Efflux temperature (Kelvin)	433.15		

Oxygen levels	7.5
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Document reference number: Table 2 above and Besblock-2 – Management System

B3.2 Please provide a technical drawing of the SWIP(s).

Document reference number: Bes_06_Proposed_Layout

B3. 3 Please provide any additional information about the SWIP(s) that may be relevant to the application. This should include:

- a) Details of how the plant will be operated, including on start up and shut down procedures.
- b) Details of how the temperature in the combustion chambers(s) will be monitored during operations of the plant, including on start up and shut down.
- c) Details of any abatement plant used.

Document reference number: with reference to B3.3. a and b – Besblock-1 – Management System

With reference to B3.3 c – Besblock 0 – Non-Technical Summary, Besblock-1 – Management System, Besblock -2 – Process Flow Diagram, Besblock-3 – Environmental Risk Assessment, Besblock-5 – Emissions Monitoring and Management Plan

B3.4 Stack and dispersion

Please provide chimney height calculation and dispersion modelling information for the SWIP(s) described in question 3.1.

Document reference number: Besblock-4 – Air Quality Impact Assessment

B3.5 Primary and secondary chamber Please provide:

- a) The primary chamber residency time calculation or equivalent information from the Manufacturer or Supplier.
- b) A secondary chamber residency time calculation or equivalent information from the Manufacturer or Supplier.

Document reference number: Residence Time Calculation – Besblock (1 and 2)

B3.6 Energy recovery

Please provide a detailed description of the proposed energy recovery from the incineration process, including any proposals for the generation and use of heat, steam or power. Include any diagrams/ technical drawings.

Document reference number: Besblock 0 – Non-Technical Summary, Besblock-1 – Management System, Besblock-3 – Environmental Risk Assessment, Besblock-5 – Emissions Monitoring and Management Plan

Technical drawing – Document reference number: Bes_06_Proposed_Layout

B3.7 Emissions

Please identify the foreseeable emissions to air, water and land from each stage of the process (this will include any foreseeable emissions during start up, shut down; normal operations and any breakdown/abnormal operation).

Document reference number : Besblock- 4 – Air Quality Impact Assessment, Besblock-5 – Emissions Management and Monitoring Plan

B3.8 Emission Monitoring

Please provide details of the proposed emissions monitoring, including continuous monitoring. Provide information regarding monitoring systems and periodic extractive monitoring. If any monitoring has been undertaken, please provide the details of concentrations and quantify in terms of mass emissions. If no emission monitoring has been undertaken please state this.

Document reference number: Besblock-5 – Emissions Management and Monitoring Plan. To date, no emission monitoring has of yet been undertaken.

B3.9 Temperature control

Please provide a detailed description of the operating systems to be employed to prevent the feeding of waste into the plant where the combustion chamber temperature(s) is/are below or falls below the optimum temperature, and, if in the event of the failure of waste gas cleaning systems.

Note: optimum temperature means:

850°C for non-hazardous waste or hazardous waste where the content of halogenated organic substances (as chlorine) does not exceed 1%

1100°C for hazardous waste where the content of halogenated organic substances exceeds 1% (as chlorine)

1000°C where cytotoxic or cytostatic drugs are burned

Document reference number: Besblock-1 – Management System

B3.10 Minimisation of residues

Please describe the incineration residues likely from the installation and provide a detailed description of the techniques to be used to minimise the amount and harmfulness of any residues from the incineration process, including any proposed recycling.

Document reference number: Besblock-0 – Non- Technical Summary, Besblock-1- Management System, Besblock-3 – Environmental Risk Assessment, Besblock-5 – Emissions Monitoring and Management Plan

B3.11 Accidents and incidents

Describe in detail the action you propose to take in the event of accidents or incidents involving the incinerator. You must provide a description of each type of potential incidents/accidents and the proposed action you would take.

Document reference number: Besblock-3 – Environmental Risk Assessment

B3.12 Emissions to ground and water

Describe the precautions to be taken against the pollution of the soil, surface water or ground water. This should include (but not exclusive to) a description of the containment arrangements from spillage and run-off from fire-fighting operations. You shall include the capacity of the containment and any testing required.

Document reference number: Besblock 1 – Management System

B3.13 Discharges to sewer

Provide a description of any discharges to sewer and the continuous measurement of flow rate, pH and temperature will be achieved.

Document reference number: Besblock-1 – Management

System B3.14 Permissible periods of abnormal operations

Provide a detailed description of how operations will be carried out during permissible periods of abnormal operations. Include:

- a) Operational procedures during permissible periods of abnormal operations.
- b) Records to be kept during permissible periods of abnormal operations.
- c) Emission monitoring during permissible periods of abnormal operations.
- d) Alternative arrangements for CO, TOC and dust monitoring during permissible periods of abnormal operations.

Document reference number: Besblock-1 – Management System

B4 – Management and training

B4.1 Competent persons

Describe how the person(s) who will be responsible for the day-to-day operation of the SWIP will be selected, trained and how the competence to operate the plant will be checked and reviewed.

Document reference number: Besblock-1-Management System

B4.2 Environmental management system

Describe in detail the environmental management system that will be used to ensure compliance with conditions of an environmental permit if the application is granted. The environmental management system will need to include (but not exclusive to):

- a) Procedures and policies for: the acceptance of waste; storage of waste; plant and plant operations; permissible periods of abnormal operations; routine maintenance; emission monitoring; accidents and incidents; noise, odour and pest management; residual incinerated material.
- b) Procedures and policies of how employees are to be trained in their responsibilities in respect of compliance with the conditions of an environmental permit if it is granted.
- c) Record keeping systems for all policies and procedures relevant to the compliance of the permit. This should include (but not exclusive to) the requirements of a) and b).

Document reference number: Besblock-1-Management System

B5 Non technical summary

B5.1 Please provide a non-technical summary of all the information required in Sections B2 and B3. This will enable the public to understand your installation and its environmental impact when viewing the public register.

Document reference number: Besblock-0-Non-Technical Summary

B6 National Consultees

We may wish to consult with relevant bodies regarding your application.

B6.1 Could the installation involve the release of any substance into a sewer?

No

Yes

please name the sewerage undertaker

Document reference number: Besblock-3 – Environmental Risk Assessment (Severn Trent Water)

B6.2 Are there any sites of special scientific interest (SSSIs) or European protected sites which are within 2 kilometres of the installation?

No

Yes *please give names of the sites and a location*

map Document reference number _____

B6.3 if yes to B6.2 Provide an assessment of whether the installation is likely to have a significant effect on such sites and, if it is, provide an assessment of the implications of the installation for that site, for the purposes of the Conservation of Habitats and Species Regulations 2010 SI.490 (see appendix 2 of Annex XVII of the General Guidance Manual).

Document reference number _____

B6.4 Has an environmental impact assessment been carried out under The Town and Country Planning (Environmental Impact Assessment) (England & Wales) Regulations 2011 SI.1824, or for any other reason with respect to the installation?

No

Yes *Please supply a copy of the environmental impact assessment and details of any decision made*

B7 Planning Status

B7.1 Please indicate which of the following applies to the installation (please tick the one(s) that apply):

Document reference number _____

- You have planning permission (please enclose copy of decision notice)
- You have a certificate of lawful existing use of development (please enclose copy of certificate)
- You have an established use certificate (please enclose copy of certificate)
- The General Permitted Development Order applies. Please give details (please enclose copy of relevant paperwork)
- Planning permission is not required (please say why and enclose written confirmation from the planning authority)
- You have applied for planning permission, but a decision has not yet been reached) –

Document reference number: PP-08765833

B8 Additional information

B8.1 Please supply any additional information which you would like us to take account of in considering this application.

Document reference number _____

Section C - Payments

C1 Fees and Charges

Your application cannot be processed unless the correct application fee is enclosed.

C1.1 Please state the amount enclosed as an application fee for this installation:

£ **3,363** (cheques should be made payable to Telford and Wrekin Council)

C1.2 Please give any company purchase order number or other reference you wish to be used in relation to this fee (if any): VERBAL NIGEL

C2 Annual subsistence charges and invoicing

If we grant you a permit, you will be required to pay an annual subsistence charge. Failure to do so will result in revocation of your permit and you will not be able to operate your installation.

Please provide details of the address you wish invoices to be sent to and details of someone we may contact about fees and charges within your finance section.

Name of contact: Nigel Chadwick

Address: Heslop, Halesfield Estate, Telford, Shropshire

Postcode: TF7 4NF

Telephone: 01952 685000 / 07974 974313

Email: nigel.chadwick@besblock.co.uk

Please give any company purchase order number or other reference you wish to be used in relation to this annual subsistence fee. Please note that this number/reference will be used annually until such time as it is changed by the Operator. VERBAL NIGEL

Section D - Commercial confidentiality

D1 Is there any information in the application that you wish to justify being kept from the public register on the grounds of commercial or industrial confidentiality?

No

Yes

Please provide full justification, considering the definition of commercial confidentiality within the EP Regulations.

Document reference number _____

D2 Is there any information in the application that you believe should be kept from the public register on the grounds of national security?

No

Yes

Do not write anything about this information on the form. Please provide full details on separate sheets, plus provide a copy of the application form for the Secretary of State for a direction to exclude information on grounds of national security.

Document reference number _____

D3 Data Protection

The information you give will be used by the Local Authority to process your application. It will be placed on the relevant public register and used to monitor compliance with the permit conditions. We may also use and or disclose any of the information you give us in order to:

- consult with the public, public bodies and other organisations,
- carry out statistical analysis, research and development on environmental issues,
- provide public register information to enquirers,
- make sure you keep to the conditions of your permit and deal with any matters relating to your permit
- investigate possible breaches of environmental law and take any resulting action,
- prevent breaches of environmental law,
- offer you documents or services relating to environmental matters,
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows)
- assess customer service satisfaction and improve our service.

We may pass on the information to agents/ representatives who we ask to do any of these things on our behalf.

It is an offence under Regulation 38 of the EP Regulations, for the purpose of obtaining a permit (for yourself or anyone else) to:

- make a false statement which you know to be false or misleading in a material particular,
- recklessly make a statement which is false or misleading in a material particular.

If you make a false statement

- we may prosecute you, and
- if you are convicted, you are liable to a fine or imprisonment (or both).

Section E - Declarations

E1 Declaration for previous offences

Where more than one person is defined as the Operator, all should sign. Where a company or other body corporate – an authorised person should sign and provide written evidence of authority from the board of the company or body corporate.

I certify that:

No offences have been committed in the previous five years which are relevant to my/our competence to operate this installation in accordance with the EP Regulations.

Signature: *N CHADWICK*

Print Name: Nigel Chadwick

Position Held: Director – Besblock Limited

Date: 03/09/2020

E2 Declaration for the application form

Where more than one person is defined as the Operator, all should sign. Where a company or other body corporate – an authorised person should sign and provide written evidence of authority from the board of the company or body corporate.

Signature of applicant(s)

I certify that the information in this application is correct. I/We apply for a permit in respect of the particulars described in this application (including supporting documentation) I/We have supplied.



Signature N CHADWICK

Print Name: Nigel Chadwick

Print position held: Director – Besblock Limited

Date 03/09/2020