

Application for a permit to operate Schedule 13 small waste incineration plant (SWIP)

Environmental Permitting (England and Wales) Regulations 2016

Introduction

When to use this form

Use this form if you are sending an application for a Schedule 13 installation to a Local Authority under the above regulations

Before you fill in this form

Please read relevant parts of the Defra [general guidance manual](#) for Part A2 installations. The manual contains a list of other documents you may need to refer to when preparing your application and explains some of the technical terms used.

Pre-application discussions

It is usually sensible to talk to one of our pollution control officers before you complete and submit the application. Contact

Which parts of the form to fill in

Please fill in as much of it as possible and enclose the appropriate fee (£3363.00) Then send it to:

Environmental Health – Lewes District Council
South over House
Southover Road
Lewes
East Sussex
BN7 1AB

Other documents you may need to submit

You will need to send us various other documents. The application form tells you which ones. It will be simplest for all concerned if you give a reference number for each document and record it on both this form and on the document itself. Please use any existing documents where you can and they are suitable.

Using continuation sheets

Feel free to use a continuation sheet, but you need to clearly identify where you have done so.

Copies - *not relevant for e-applications*

Please send the original documentation and completed application form and all other supporting material, for consultation purposes

LA-IPPC application form: to be completed by the operator

For Local Authority use		
Application reference	Officer reference	Date received

A The basics

A1 Name and address of the installation

Medipower Limited
Shed 4A, Newhaven port, East Quay, Newhaven, East Sussex.

Postcode BN9 0BN

Telephone 01273973078

A2 Details of any existing environmental permit or consent *(for waste operations, please include planning permission for the site, including established use certificates, a certificate of lawful existing use, or why the General Permitted Development Order)*

Reference no.	Issuing regulator	Type of permit

A3 Operator details *(The 'operator' = the person who it is proposed will have control over the installation in accordance with the permit (if granted).)*

Name Medipower Limited

Trading name, if different

Registered office address
Unit 7 West, E-Plan Industrial Estate, New Road, Newhaven,
East Sussex BN9 0EX

Principal office address, if different

Company registration number 10759638

A4 Any holding company?

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006? If "yes" please fill in details of the ultimate holding company.

No Yes

Name

Trading name, if different

Registered office address

Principal office address, if different

Company registration number

A5 Who can we contact about your application?

Name + position

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B The installation

What activities are or will be carried on at the installation? Please include “directly associated activities” – this term is explained in Annex III in Part B of the [general guidance manual](#)

Main activities	Section in Schedule 1 to the EP Regulations
<p>Ctec energy plans to build an advanced gasification system at Newhaven port to dispose of non-hazardous medical waste provided by an established local clinical waste services company. The proposal is for the installation of a medical waste combustion plant capable of combusting 12 tonnes of non hazardous medical waste per day generating 1.4 mW / hour of thermal energy and 250 kW / hour of electrical energy. The electrical and thermal energy will be supplied to the Port authority; thermal energy will be used by local port companies using network heating.</p> <p>– See Doc Ref Ctec001& Ctec002 for full details</p>	

Directly-associated activities	Schedule 1 references (if any)
Non hazardous medical waste combustion	

B2 Why is the application being made?

new installation

change to existing installation means it now needs a permit

B3 Site maps

Please provide:-

- A location map showing with a red line round the boundary of the installation

Doc reference Ctec004

- A site plan or plans showing where all the relevant activities are on site, including bulk storage areas, waste storage areas, any external emission/discharge points to atmosphere, and a site drainage system showing discharge points to drainage or watercourses

Doc reference Ctec005

C The details

C1 Waste types, activities & installation operation.

Complete Table 1 providing a complete list of waste types to be incinerated in the plant.

Code*	Description	Source	Quantity (Tonnes/year)
180101	Sharps	Medisort	} 4,080 tonne per year
180102	Body parts and organs including blood bags	Medisort	
180104	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection	Medisort	
180109	Medicines	Medisort	
180203	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection	Medisort	
200199	Municipal waste	Medisort	

*To find code type:

<https://www.gov.uk/how-to-classify-different-types-of-waste/healthcare-and-related-wastes>

How will the installation operate?

Doc reference Ctec002

If you have the following details please provide:

Manufacturer	Ctec energy Ltd
Model	CTEC 500
Year of manufacture	2018
Serial number (if known)	000001
Thermal input kW	2900 kW/H
Rate of incineration (kg/h)	500 Kg/h
Secondary combustion chamber/ afterburner	Yes
Afterburner fitted	Yes
Inlet temp	900 deg C
Residence time	2.55 seconds
Outlet temperature	50 deg C
Proposed stack and discharge conditions	
Stack height (m)	3m
Efflux speed (m/s)	10.3 m/s
Efflux temperature (K)	333 K

Doc Ref/technical drawing__Ctec008

C2 Releases, techniques and monitoring?

What pollutants (including odour) and how much are expected to be released to air, water or land? Please say which stage of the process each release will come from and also whether from a particular chimney, vent, pipe or other source (diffuse or fugitive). Please include releases during starting and shutting down the plant, and from possible breakdowns or accidents identified by a risk assessment. (*Using process flow diagrams may help to simplify this.*) Include proposed emissions monitoring, recording systems and periodic extractive monitoring. If any monitoring has been undertaken please provide the details of emission concentrations and quantify in terms of mass emissions.

What techniques will be used to minimise each release in line with BAT? What monitoring has been undertaken (give results) and what monitoring is proposed?

Doc Reference: _____Ctec002_____

Provide a chimney height calculation and any available dispersion modelling information for the appliance described in C1

Doc reference____Ctec002

C3 Groundwater discharges?

What discharges will there be of List I or List II substances? How will the Groundwater Regulations be complied with?

Doc Reference: _____N/A_____

C4 Raw materials, Water,

What raw and auxiliary materials, other substances and water do you propose to use?

Doc reference _____ Ctec001 & Ctec002

C5 Waste?

What sorts and amounts of waste will be produced by the activities? What steps will be taken to comply with the revised Waste Framework Directive hierarchy (*prevention, preparation for re-use, recycling, other recovery, disposal*).

Include also a description:

- the precautions to be taken against the pollution of land, air and water.
- description of the techniques to be used to minimise the amount and harmfulness of any residues from the incineration process, including any proposed recycling.
- how the mass of received waste will be measured
- how documentation accompanying the waste is checked
- how you will confirm the suitability of the waste for combustion, including physical and (as far as practicable) chemical information
- how you will determine the precautions to be taken in handling the waste
- the sampling of waste to be undertaken to check that the documentation is accurate
- how will waste be checked/sampled before leaving site
- Disposal of residues which cannot be prevented, reduced or recycled will be carried out in conformity with national & union law

Doc Reference: _____ Ctec001/Ctec002

Waste waters etc?

Describe the precautions to be taken against the pollution of the soil, surface water or ground water. In particular, describe the containment arrangements for contaminated rainwater run-off from fire-fighting operations.

Doc Reference: Risk assessment 00025/ctec/17

C6 Energy?

How much energy will be consumed and generated? Please identify each source and end use, and proposed measures to improve energy efficiency?

Provide a description of the proposed energy recovery from the incineration process, including any proposals for the generation and use of heat, steam or power.

Please list any climate change or carbon emission measure signed up to.

Doc Reference: Ctec001/Ctec002

C7 Noise and vibration?

What are the main sources of environmental noise and vibration, where are the nearest noise-sensitive receptors, and what techniques will be used to minimise noise and vibration in line with BAT? Please provide data from any noise surveys.

Doc Reference: Risk assessment 00025/ctec/17

C8 Environmental management?

What environmental management procedures and policy will you deploy?

In particular describe:

- the schedule of maintenance covering all plant and equipment at the installation
- record keeping systems covering the acceptance of waste, recording of maintenance, records of emission monitoring, training
- how employees are to be trained in their responsibilities in respect of compliance with the conditions of an environmental permit if it is granted
- notification of relevant bodies in the event of an incident or abnormal emissions
- staff members to be trained as the competent person/s for day to day operation of the incineration plant and how training will be checked and reviewed

Doc Reference: Risk assessment 00025/ctec/17, Ctec001,Ctec002

C9 Impact on the environment?

- a) what are the potential significant local environmental effects (including nuisance) of the foreseeable releases?
- b) is the installation likely to have a significant effect on sites of special scientific interest (SSSIs) or European protected sites and, if it is, what are the implications for the purposes of the Conservation (Natural Habitats etc) Regulations 1994 (see appendix 2 of Annex XVII of the [general guidance manual](#))
- c) has an environmental impact assessment been carried out for the installation under planning legislation or for any other purpose. If so, please provide a copy

Doc Reference: Risk assessment 00025/ctec/17,Ctec-EIA screening scoping request

C10 Secondary combustion temperature and residence time - Provide a secondary chamber residence time calculation or equivalent information from the manufacturer or supplier.

Doc reference_____Ctec008

C11 Prevention of operation in certain circumstances - Describe the systems to be employed to prevent the feeding of waste into the plant until the secondary combustion chamber temperature is at least 850°C at startup or if the temperature falls below 850°C in operation or in the event of the failure of waste gas cleaning systems.

Doc reference_____Ctec002

C12 Accidents and incidents Describe the action you propose to take in the event of accidents or incidents involving the incinerator. You should describe each type of incident and the appropriate response.

Doc reference ___ Ctec001/Ctec002/Medipower operational FMEA

D Non-technical summary

Please provide a non-technical summary of the information required above.

Doc Reference: Ctec001/Ctec002

E Anything else?

Please tell us anything else you would like us to take account of.

Doc Reference _____ N/A _____

F Application fee

You must enclose the relevant fee with your application. In this instance: £3363.00 for each SWIP. If your application is successful you will also have to pay an annual subsistence charge, so please say who you want invoices to be sent to.

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G Protection of information

G1 Any confidential or national security info in your application?

If there is any information in your application you think should be kept off the public register for confidentiality or national security reasons, please say what and why. [General guidance manual](#) chapter 8 advises on what may be excluded. (Don't include any national security

information in your application. Send it, plus the omitted information, to the Secretary of State or Welsh Ministers who will decide what, if anything, can be made public.)

Doc Reference _____ N/A _____

G2 Please note: data protection

The information you give will be used by the Council 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.

G3 Please note: it is an offence to provide false etc information

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
- intentionally to make a false entry in any record required to be kept under any environmental permit condition
- with intent to deceive, to forge or use a document issued or required for any purpose under any environmental permit condition.

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).

H Declarations A and B for signing, please

These declarations should be signed by the person listed in answer to question A3. Where more than one person is identified as the operator, all should sign. Where a company or

other body corporate is the operator, an authorised person should sign and provide evidence of authority from the board.

Declaration A: We certify

EITHER- 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.

OR- The following offences have been committed in the previous five years which may be relevant to my/our competence to operating this installation in accordance with the regulations:

_____ N/A _____

Signature		Name	
Position			

Declaration B: We 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 the listed supporting documentation) I/we have supplied. *(Please note that each individual operator must sign the declaration themselves, even if an agent is acting on their behalf.)*

Signature		Name	
Position			
Signature		Name	
Position			