

Part B Application form

Application for a permit

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

Introduction

When to use this form

This environmental permitting regime is known as and referred to as Local Authority Pollution Prevention and Control ('LAPPC'). Installations permitted under this regime are known as Part 'B' installations. Use this form if you are sending an application for a 'Part B' permit to a Local Authority 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, republished in March 2010 and available at http://www.defra.gov.uk/environment/quality/pollution/ppc/localauth/pubs/guidance/manual_s.htm. This contains a list of other documents you may need to refer to when you are preparing your application, and explains some of the technical terms used. You will also need to read the relevant Process Guidance note. The EP Regulations can be obtained from The Office of Public Sector Information, or viewed on their website at http://www.opsi.gov.uk/legislation/about_legislation.htm.

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:

***Environmental Protection
North East Lincolnshire Council
Doughty Road Depot,
Doughty Road,
Grimsby
North East Lincolnshire
DN32 0LL***

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 or documents that you are submitting in 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, if you have been given one, which will be at the top of the form overleaf. If you do not have either of these, please use the name of the installation.

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 - *not relevant for e-applications*

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

If you need help and advice

We have made the application form as straightforward as possible, but please get in touch with us at the local authority address given above if you need any advice on how to set out the information we need.

LAPPC application form: to be completed by the operator

For Local Authority use		
Application reference	Officer reference	Date received

A1 Applicant details

A1.1 Name of the installation

_____ Mistral Renewable Energy Ltd _____

A1.2 Please give the address of the site of the installation

_____ Mistral Renewable Energy Ltd, Selvic Shipping, Scandinavian Way, _____
Stallingborough, Grimsby, North East Lincolnshire, _____

Postcode _____ DN41 8DU _____ Telephone _____

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).

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A1.3 Existing permits:

Please give details of any existing LAPPC or LA-IPPC authorisation for the installation, or any waste management licences or water discharge consents, including reference number(s) and type(s):

_____ **Waste Permit- Waste Wood Exemption re WEX 255109** _____

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 The Operator – Please provide the full name of company, partnership or corporate body

Mistral Renewable Energy Ltd

Trading/business name (if different)

Registered Office address

27 Old Gloucester Street, London, England

Postcode: WC1N 3AX

Principal Office address (if different)

Spinney Cottage, Townsend Drive, St Albans,

Postcode: AL4 5LJ

Company registration number

09272868

A2.2 Holding Companies

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006?

No

Yes

name of ultimate holding company

Registered office address

Postcode

Principal Office address (if different)

Postcode

Company registration number: _____

A3.1 Who can we contact about your application?

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 _____ Paul Gibbon _____

Position _____ Director _____

Address _____ Spinney Cottage, Townsend Drive, St Albans, _____

Postcode AL4 5LJ

Telephone number _____ 07960813198 _____

Fax number _____

email address _____ paul@mistralenergy.co.uk _____

B1 About the installation

Please fill in the table below with details of all the current activities in operation at the whole installation.

In **Column 1, Box A**, please identify all activities listed in Schedule 1 to the EP Regulations that are, or are proposed, to be carried out in the stationary technical unit of the installation.

In **Column 1, Box B** please identify any directly associated activities that are, or are proposed, to be carried out on the same site which:

- * have a technical connection with the activities in the stationary technical unit
- * could have an effect on pollution

In **Column 2, for Boxes A and B** please quote the Chapter number, Section number, then paragraph and sub-paragraph number as shown in Part 2 of Schedule 1 to the EP Regulations [For example, *Manufacturing glass and glass fibre where the use of lead or any lead compound is involved*, would be listed as Chapter 3, Section 3.3, Part B(b)].

B1.1 Installation table for new permit application

COLUMN 1	COLUMN 2
<p>Box A Activities in the stationary technical unit</p>	<p>Section in Schedule 1 to the EP Regulations</p>
<p>Curing or Kiln Drying Wood is the relevant activity.</p>	<p>Interpretation of Part B</p> <p>1. In Part B and in this paragraph—</p> <p>“excluded activity” means any relevant activity (other than sawing) which, ignoring any sawing carried on at the works, would be unlikely to result in the release into the air of any substance in paragraph 6(3) of Part 1 of this Schedule in a quantity capable of causing significant harm;</p> <p>“relevant activity” means the sawing, drilling, sanding, shaping, turning, planing, curing</p>
<p>Box B</p>	

Directly-associated activities	Schedule 1 or Schedule 3 references (if any)
Throughput of virgin timber: 1300 tonnes of wood at 1859 cubic metres.	
Combustion of Wood, Directly Associated	<p>Part B</p> <p>(a)Unless falling within Part A(2) of Section 6.6, manufacturing products wholly or mainly of wood at any works if the activity involves a relevant activity and the throughput of the works in any 12-month period is likely to be more than—</p> <p>(i)10,000 cubic metres in the case of works at which wood is only sawed, or wood is sawed and subjected to excluded activities, or</p> <p>(ii)1,000 cubic metres in any other case.</p>

B1.2 Why is the application being made?

- The installation is new
- The installation is existing, but changes to the installation or to the EP Regulations means that an LAPPC Part B permit is now required.

B.1.3 Site Maps

Please provide:-

* A suitable map showing the location of the installation clearly defining extent of the installations in red

Doc Reference Site Location Plan_____

* A suitable plan showing the layout of activities on the site, including bulk storage of materials, waste storage areas and any external emission points to atmosphere

Doc Reference Site Layout Plan/Roof Plan_____

B2 The Installation

Please provide 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 all the environmental requirements of the EP Regulations are met.

B2.1 Describe the proposed installation and activities and identify the foreseeable emissions to air from each stage of the process (this will include any foreseeable emissions during start up, shut down and any breakdown/abnormal operation)

The use of process flow diagrams may aid to simplify the operations

The current plant at Mistral Renewable Energy seeks to use 14 Angus Eco 130kw Biomass boilers to burn virgin timber in to provide renewable energy to the grid as well as creation of heat to dry timber to form production of heat logs. The heat is also used to heat the general layout of the building for operatives assembling heat logs manufactured on site.

The feedstock is transported to the boiler via operatives within the building directly to boilers which are supplied by loading shovel from the feedstock preparation area.

The process takes place within an enclosed building on a sealed impermeable surface.

Ingress and egress to and from the building is via two roller shutter doors.

The specific passing of hot air over timber does not create any emissions to air, rather it is the start up of the boilers that generates a small plume of smoke primarily at start up. This plume and emission levels are detailed in the AQ Assessment update for 1n 24m stack.

Abnormal operation can happen due to higher than expected moisture content in virgin timber however this is rare and guarded against by the measures detailed below.

Details of the technical specification of the boilers are provided

B2.2 Once all foreseeable emissions have been identified in the proposed installation activities, each emission should be characterised (including odour) and quantified.

Atmospheric emissions should be categorised under the following

- i. point source, (e.g. chimney / vent, identified by a number and detailed on a plan)
- ii. fugitive source (e.g. from stockpiles / storage areas).

If any monitoring has been undertaken please provide the details of emission concentrations and quantify in terms of mass emissions. If no monitoring has been undertaken please state this.

(Emission concentration = e.g. milligrams per cubic metre of air; mass emission = e.g. grams per hour, tonnes per year)

- 1. As detailed in the Air Quality Report from 1no 24m Flue**
- 2. Ash is collected daily / weekly and disposed of in a skip which is taken away by waste haulage company**

B2.3 For each emission identified from the installations' activities describe the current and proposed technology and other techniques for preventing or, where that is not practicable, reducing the emissions into the air. If no techniques are currently used and the emission goes directly to the environment, without abatement or treatment then this should be stated

Use of only kiln dried logs in our boilers, all logs are dried down to 12% moisture content and are checked with a hand held MC unit.

If after a prolonged time of boilers being off, applicant will use kindling, kiln dried logs and start our systems up at 06:00 in the morning or after 20:00 in the evening

Applicant will let boilers run for as long as possible before re-loading as this also reduces the amount of times that there would be any smoke emissions

The applicant has specific staff to check regularly to see if there is any smoke being emitted and check daily for wind conditions and direction.

B2.4 Describe the proposed systems to be used in the event of unintentional releases and their consequences. This must identify, assess and minimise the environmental risks and hazards, provide a risk based assessment of any likely unintentional releases, including the use of historical evidence. If no assessments have been carried out please state.

In the case of abnormal emissions, malfunction or breakdown leading to abnormal

emissions the operator will:

- Investigate and undertake remedial action immediately;
- Adjust the process of activity to minimize those emissions; and
- Promptly record the events and actions taken.

Unintentional releases are not usually possible as the combustion of virgin wood physically required workers to undertake the process.

Staff will have clearly defined roles and responsibilities. Appropriate training will be undertaken and appropriate written instructions will be given where necessary. Copies of any such written instructions will be retained and used to investigate any incidents. Any contractors employed on site will be provided with necessary information before commencing work.

All relevant staff will hold relevant valid operating licences for each item of equipment and mobile plant to be used at the activity. The Operator will carry out appropriate risk assessments to the activities.

B2.5 Describe the proposed measures for monitoring all identified emissions including any environmental monitoring, and the frequency, measurement methodology and evaluation procedure proposed (e.g. particulate matter emissions, odour etc). Include the details of any monitoring which has been carried out which has not been requested in any other part of this application. If no monitoring is proposed for an emission please state the reason.

Monitoring is to be undertaken on a 6 monthly basis by an MCERT certified company Socotec to monitor emissions of Carbon Monoxide and Oxides of Nitrogen and checking for Smoke, in particular grounding smoke near nearby premises. Emission Limit Values would be ascribed by the Local Authority at the levels of waste wood but specifically within Table 5.3 of the

Informal visual inspections are undertaken on a daily basis and a monitoring proposal is submitted with the application.

Smoke fumes may be produced by burning of excessive loads of feedstock, and may be released as a point source from the plant's stack. Daily visual inspections of emissions from the stack will be carried out during operation of the wood burner

These inspections will be undertaken using Ringelmann Shade charts. During normal operation, emissions should be free from visible smoke (Ringelmann Shade 0) while during start up and shut down, emissions should not exceed Ringelmann Shade 1 as described by BS2742: 2009.

If visual inspections reveal routine visible plume generation, the composition of wood feedstock will be reviewed as will the rate of wood input and the automated air intake setting. Hourly inspection of stack emissions will be carried out until successful mitigation of visible plumes is achieved.

B2.6 Provide detailed procedures and policies of your proposed environmental management techniques, in relation to the installation activities described.

Although no environmental policies or specific environmental management techniques are employed specifically the operator would adhere to the following procedures:

Good combustion techniques will be used, including addition of majority of feedstock at optimum temperature, control of oxygen at optimum levels, and continuous charging of feedstock at an appropriate rate.

Dust, ash and particulate matter will be removed in accordance with manufacturer's recommendations for plant operating procedure and retained within the building or suitable enclosed containers prior to removal from site.

Loading of chipped wood and removal of ash will take place inside a building to limit emissions to air

Good combustion techniques will be used, including addition of majority of feedstock at optimum temperature, control of oxygen at optimum levels, and continuous charging of feedstock at an appropriate rate.

Idling of plant will be minimised.

Feedstock will be loaded at a manageable rate, and good combustion techniques will be observed to ensure complete combustion of all loaded feedstock.

Regular visual inspections will be carried out on stack emissions using Ringelmann Shade charts. Upon observation of visible plume (excluding 30 mins after start up), loading rate of feedstock will be adjusted until plume is no longer visible.

B3 Impact on the Environment

B3.1 Provide an assessment of the potential significant local environmental effects of the foreseeable emissions (e.g. is there a history of complaints and/or is the installation in an air quality management area ?)

B3.2 Are there any sites of special scientific interest (SSSIs) or European protected sites which are within either

- 2 kilometres for an installation which includes Part B combustion, incineration (but not crematoria), iron and steel, and non-ferrous metal activities, or
- 1 kilometre for Part B mineral activities and cement and lime activities, or
- ½ a kilometre for all other Part B activities?

No

Yes *please give names of the sites*

Humber SSSI and Humber SPA and SAC

B3.3 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 (Natural Habitats etc) Regulations 1994 (see appendix 2 of Annex XVIII of the General Guidance Manual).

None due to adequate dispersal of smoke at 24m with no residual particulates landing on the designated sites affecting the ecological integrity.

B4 Environmental Statements

B4.1 Has an environmental impact assessment been carried out under The Town and Country Planning (Environmental Impact Assessment)(England & Wales) Regulations 1999/293, 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*

Not required for planning permission, no significant effects of development therefore EIA would be screened out.

B5 Additional information

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

C1 Fees and Charges

The enclosed charging scheme leaflet gives details of how to calculate the application fee. Your application cannot be processed unless the application fee is correct and enclosed.

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

£362 (cheques should be made payable to [])

We will confirm receipt of this fee when we write to you acknowledging your application.

C1.2 Please give any company purchase order number or other reference you wish to be used in relation to this fee.

C2 Annual subsistence charges

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.

C2.1 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.

Paul Gibbon, address as above

Postcode:

Telephone:

C3 Commercial confidentiality

C3.1 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

C3.2 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 to the Secretary of State/Welsh Ministers for a Direction on the issue of National Security.

C4 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).

C5 Declaration: previous offences (delete whichever is inapplicable)

I/We certify

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 Paul Gibbon

Name Paul Gibbon

Position Director

Date 14/10/21

C6 Declaration

C6.1 Signature of current operator(s)*

I/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 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.

For the application from:

Installation name: Mistral Renewable Energy Ltd

Signature *P Gibbon*

Name Paul Gibbon

Position Director

Date 14.10.21

Signature _____

Name _____

Position _____

Date _____

** 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 evidence of authority from the board of the company or body corporate.*