

**P-IND-MCP**

# **The Environmental Authorisations (Scotland) Regulations 2018 (EASR)**

## **Industrial Permit Activity:**

## **Operating a medium combustion plant**



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## How to use this activity form

Use this form to apply for:

- A **new permit** to operate a medium combustion plant (MCP) with a rated thermal input equal to or greater than 1 megawatt and less than 50 megawatts.
- A **variation of an existing permit** to add a medium combustion plant with a rated thermal input equal to or greater than 1 megawatt and less than 50 megawatts.

You can apply for a single authorisation to cover multiple medium combustion plants with a rated thermal input equal to or greater than 1 megawatt (MW) and less than 50 MW, operated by the same authorised person at the same proposed authorised place, provided the total net rated thermal input is less than 50 MW.

If the total net rated thermal input is 50 MW or more, you will need to apply for a schedule 20 combustion plant activity.

Note: This form applies only to standalone MCP plant. If the MCP is combined with other industrial activities, you must use a different application form specific to those activities.

### Additional information required

If your application includes activities defined under schedule 25 of EASR, please also complete Appendix 1: Energy efficiency.

### Excluded activities

Some activities do not need an MCP permit.

EASR lists a number of excluded activities, including but not limited to:

- Combustion plant used to propel a vehicle, ship or aircraft
- Turbines and engines used on offshore platforms
- Some driers
- Thermal oxidisers

For the full list of excluded activities, please check the [activity webpage](#).

If your activity is excluded, you do not need to apply for an MCP permit.

## Before you apply

- Check the [activity webpage](#) to ensure you are using the correct application form.
- Read the guidance for the industrial activity you are applying for on the relevant activity specific page on our [website](#).
- Where you see the term 'document reference', enter the document reference(s) for the information you have provided. These must be submitted along with the completed form.
- For applications made with insufficient or inadequate information; we will return these to the applicant with an explanation of what additional information is required and may retain part of the application fee in accordance with our published charging scheme.

## Multiple activities under a single permit

We may authorise multiple activities under a single permit, but only if the activities are connected. Activities are considered connected if they are:

- located at the same geographical location,
- part of the same project, or
- operationally linked.

If the activities are connected, you may apply for a variation of an existing permit to add new activities under one permit.

If the activities are not connected, you must submit a separate application for each activity.

## How to apply

### Digital application service:

The quickest and easiest way to [apply is via our digital application service](#) on our website.

You will need to upload:

1. Completed activity form(s)
2. Any required supporting information

### Email/Post application:

If you cannot apply using our digital application service, you can complete and submit an application via email or by post.

- For a **new permit**, your application must include:
  1. A completed APP-GEN1 form
  2. Completed activity form(s)
  3. Any required supporting information
- For a **variation of a permit to add a new activity**, your application must include:
  1. A completed APP-GEN1 form
  2. Completed variation form(s)
  3. Completed activity form(s)
  4. Any required supporting information

Email and postal addresses for submitting your application are included in the APP-GEN1 form.

You can download [APP-GEN1, activity forms and variation forms](#) from our website.

## Section 1 - Location of the activity

### 1.1 Location details

Please provide the following information about the location of the activity.

**Table 1: Location details**

Question	Answer
<b>Location name</b>	Whiteshore Cockles Ltd
<b>Address</b>	Balemore, Kyles Paible, Bayhead, North Uist
<b>Postcode</b>	HS6 5EB
<b>National Grid Reference (NGR)</b> (At least 2 letters followed by 8 digits, e.g. AB 1234 6789. You can use our <a href="#">SEPA NGR Tool</a> to find your NGR.)	NF7369 8664

## Section 2 - Medium combustion plant (MCP)

### 2.1 Non-technical summary

Please provide a non-technical summary of your application, including:

- A brief overview of the proposed activities.
- A description of the processes that will be carried on.
- The measures you will implement to control the main environmental emissions from the proposed authorised place.

This summary may be published on our website as part of the public consultation process. Ensure it is written in simple and plain language so that all members of the public can clearly understand the details of your application.

#### Document reference

WSC/VAR/26v.3/IPPC

### 2.2 Location Plan

Please provide a location plan showing the area where the activity will take place.

The location plan must:

1. Clearly outline and identify the area where the activity will be carried on. Once authorised, this area will be known as the authorised place.
2. Limit the proposed authorised place strictly to the extent of the activities.
3. Be based on an Ordnance Survey (OS) map.
4. Be clear and easy to read on an A4 page, avoiding unnecessary details.
5. Include a defined scale, the date it was created, a north direction indicator, and context such as roads and buildings.

#### Document reference

Whiteshore/boundary/24



## 2.3 MCP details

Please provide the details requested in Table 2 for each MCP.

Each MCP must have a unique plant number (Plant No.) and be listed separately. If you need to include additional plants, please use a separate sheet.

When completing Table 2 please use the following descriptions of plant and fuel:

### **Type of plant\*:**

- Diesel engine
- Gas turbine
- Dual fuel engine
- Other engine
- Other medium combustion plant

### **Type of fuel\*\*:**

- Solid biomass
- Other solid fuels (e.g. coal, waste-derived fuel; please specify the type)
- Gas oil
- Liquid fuel other than gas oil (e.g. biodiesel; please specify the type)
- Natural gas
- Gaseous fuels other than natural gas (e.g., biogas, propane; please specify the type)

**Table 2: Medium combustion plant(s) details**

Plant no. (1,2,3, etc.)	Manufacturer (make, model and serial number)	Type of Plant*	Start date of operation	Expected annual operating hours	Average load in use	Rated thermal input (MW)	Type of fuel**	Thermal input of each fuel if mixed (MW)
1	Beel Industrial Boilers Ltd	engine	01/02/26	6000		3.2MW	Kerosene & fish oil	3.2

## 2.4 Total rated thermal input (RTI)

Please provide the total rated thermal input for all MCP equal to or greater than 1 MW and less than 50 MW at the proposed authorised place.

### Total rated thermal input

3.2MW

## 2.5 Reduced or restricted RTI

If you are applying for plant(s) with restricted or reduced RTI please provide your calculations or proposed restriction method.

Refer to [SEPA capacity and threshold guidance](#) for more information.

### Document reference

N/A

## 2.6 Existing plant

If your existing plant was put into operation on or before 20 December 2018, please provide evidence below. Use the plant number from Table 2 to identify which plant you are referring to.

### Document reference

N/A

## 2.7 Secondary abatement

If applicable, please provide details of secondary abatement equipment fitted for each MCP. Describe the equipment, systems, or treatments that will be used to control, prevent, or minimise the likely air emissions from the MCP. Explain why these are the best options. Use the plant number from Table 2 to identify which plant you are referring to.

### Document reference

N/A

## 2.8 Other processes

If applicable, please provide details of any other processes or activities that will be carried on at the proposed authorised place and are associated with or support the operation of the MCP. For example, waste handling, energy recovery, onsite fuel processing, backup fuel, chemical or fuel storage.

### Document reference

Permit PPC/A/5001983 – fish morts rendering

## 2.9 Emission limit values (ELV) exemptions

### 2.9.1 ELV exemptions

Some MCP may be exempt from complying with emission limit values (ELVs).

EASR lists a number of exemptions, including but not limited to:

- MCP operating under a certain number of hours
- MCP using biomass as its main fuel
- MCP serving a public district heating network

For the full list of exemptions, please check the [activity webpage](#).

If your MCP is exempt from complying with ELVs, please provide details.

#### Document reference

N/A

### 2.9.2 Plant operating less than 500 hours per year

You may request an exemption from compliance with the ELVs for:

- Existing plant (put into operation on or before 20 December 2018) that will not be operated for more than 500 hours per year (calculated as a rolling average over a period of 5 years).
- New plant (put into operation after 20 December 2018) that will not be operated for more than 500 hours per year (calculated as a rolling average over a period of 3 years).

If you would like to request an exemption from compliance with the ELVs and you are declaring that your plant(s) will operate for 500 hours or less per year, please provide the corresponding plant number(s) from Table 2 below.

#### Plant number(s)

N/A

Note: You are declaring that your plant(s) will operate for 500 hours or less per year.

## 2.10 Standard Industry Classification (SIC)

The SIC system categorises businesses by industry sector in the UK. Your SIC code helps us understand the primary nature of your business. You can find the right SIC code using online search tools, such as the one available on Companies House website.

SIC code
030210 Marine aquaculture

## Section 3 - Air emissions risk assessment

Please complete an appropriate risk assessment which screens emissions in accordance with our guidance on [air emission risk assessments](#). This assessment should demonstrate that emissions from all of your MCP(s) will not cause significant harm to the environment, human health, or designated sites (SSSI, SAC, SPA or RAMSAR site).

### 3.1 Habitats impact assessment

#### 3.1.1 Proximity Screening tool

Use the [Proximity Screening tool](#) to screen for relevant ecological receptors. If no relevant ecological receptors are found by this tool, then the habitats impact assessment is concluded. Please provide the PDF generated by the tool.

##### Document reference

WSC/VAR/26v.3/IPPC and appendix 7 (SCAIL screening assessment)

#### 3.1.2 SCAIL Screening tool

If any relevant ecological receptors are found by the Proximity Screening tool, an air emission risk assessment is required using the [SCAIL Combustion tool](#). Please provide the results of the assessment carried out in accordance with our guidance on [air emission risk assessments](#).

##### Document reference

WSC/VAR/26v.3/IPPC

#### 3.1.3 Detailed dispersion modelling

If any releases to air at relevant ecological receptors are not screened out as insignificant by the SCAIL screening tool, detailed modelling is required. Please provide the results of the modelling carried out in accordance with our guidance on [air emission risk assessments](#).

##### Document reference

N/A

### 3.2 Human health assessment

Please refer to our guidance on [air emission risk assessments](#) and provide an assessment of the potential significant effect of any air emissions on human health.

Document reference
N/A

### 3.3 Stack assessment

To assess your application in accordance with The Conservation (Natural Habitats, &c.) Regulations 1994 (the Habitats Regulations), please complete Table 3 with the required details for each stack.

When completing the table, please assume the following:

- SO<sub>2</sub> emissions are 0 (zero) for natural gas, gas oil, biomass, and hydrotreated vegetable oil.
- For both SO<sub>2</sub> and NO<sub>x</sub> emission rates, provide the values in one of the following units: tonnes/year, kg/day, or grams/sec.

**Table 3: Stack(s) details**

Plant no. (as per Table 2)	National Grid Reference (NGR)	Inner diameter (m)	Gas temperature (°C)	Gas velocity (m/sec)	SO <sub>2</sub> emission rate (tonnes/year, kg/day, grams/sec)	NO <sub>x</sub> emission rate (tonnes/year, kg/day, grams/sec)	Stack height above ground (m)	Stack height above roof ridge (m)
2	NF736664	0.26	220	15.0	Not known	Not known	11.5	4

## Section 4 - Aggregation details for new MCP

If you are applying to authorise two or more new MCPs, they may be combined and considered as a single plant if the waste gases are discharged through a common discharge point, such as a stack. This approach can help improve the dispersion of emissions.

Do you intend to discharge waste gases through a common stack?

Yes

No

- If 'Yes', please submit a map showing the location of each MCP and all discharge points (e.g. stacks).

**Document reference**

- If 'No', please provide technical and economic justification explaining why discharging through a common stack is not feasible.

**Document reference**

## Section 5 - MCP management

If your MCP(s) are equal to or greater than 20 MW and less than 50 MW, please complete this section.

### 5.1 Environmental management system

#### 5.1.1 Management techniques and systems

Please describe the environmental management system you intend to implement to manage, monitor and control your environmental issues and maintain efficiency. Please indicate whether you intend to certify the management system.

##### Document reference

Whiteshore Cockles EMS

#### 5.1.2 Start-up and shut-down plan

Please provide the start-up and shut-down plan for each MCP. The plan must detail the steps that are required to minimise emissions during start-up and shut-down.

##### Document reference

Whiteshore Cockles EMS

#### 5.1.3 Dust management plan

Please provide a dust management plan describing how you will control dust emissions where there is potential for dust from the MCP. Your plan must also include dust from activities such as loading, unloading, storage and handling of fuels, residues and additives.

##### Document reference

N/A – Liquid fuelled boiler

### 5.1.4 Odour management plan

Please provide an odour management plan describing how you will control odour emissions where there is potential of odour from the MCP and from activities such as storage, treatment and/or handling of fuels, residues and additives.

Please refer to our [Odour Guidance](#) for more details on managing and controlling odour emissions. An OMP template is available with our Odour Guidance.

#### Document reference

No potential of odour from the MCP. Site has an odour management plan for fish mortis processing

## 5.2 Maintenance, accident prevention and staff training

Please provide the following details:

1. The proposed maintenance programme for the proposed authorised place. For example, cleaning of flues and ductwork, and the provision of spare parts.
2. How accidents will be minimised, and the actions that will be taken to reduce the environmental consequences of accidents on the proposed authorised place.
3. The environmental training programme that will be implemented for staff.

#### Document reference

Whiteshore Cockles EMS

### 5.3 Resources and waste

Please provide the following details about resources and waste for the MCP activity.

1. **Resources required:** List the resources required, including raw and auxiliary materials, fuel, water, energy, and other substances, along with any waste likely to be produced by the activity.
2. **Storage measures:** Explain how resources and waste will be stored safely and in a manner that minimises dust and odour. Include details such as quantities, tank sizes, and bund capacities. For example, storage of fuel and bottom ash.
3. **Sustainability and waste management:** Describe how resources will be used sustainably and how waste will be managed in line with the waste hierarchy.

#### Document reference

As original permit application for fish morts processing and EMS

## Section 6 - Any other information

If you have any additional information to support your application, please provide details in a separate document.

Document reference
Fish oil as a fuel - Ren-07, Fish Oil As An Alternate Fuel (1)

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## Appendix 1: Energy efficiency

Complete this appendix if the requirements of schedule 25 apply to your activity.

You **do not** need to complete this appendix if:

- the activity is excluded by paragraph 3 of schedule 25,
- the activity began before 30 October 2014, or
- the plant or installation was substantially refurbished before 30 October 2014.

Schedule 25 applies to the activities listed below where:

- they generate electricity and have a rated thermal input exceeding 20 MW; or
- when one or more of these activities is operated at the same place and have a total rated thermal input exceeding 20 MW.

The activities are:

- Operating a large combustion plant.
- Waste incineration or waste co-incineration at a waste incineration plant or waste co-incineration plant.
- Operating a medium combustion plant.
- Burning any fuel in combustion plants which generate electricity on the same site with an aggregated rated thermal input of 1 MW or more as described in paragraph 1 of chapter 1 of part 3 of schedule 26 of EASR.

Schedule 25 also applies to industrial emissions activities or other emissions activities with a rated thermal input exceeding 20 MW, which:

- generate waste heat at a useful temperature level, or
- form part of a new or existing district heating or cooling network.

The appropriate energy efficiency application fee should be incorporated into your total application fee. Please see our charging scheme for further information.

Before completing the form, please contact [ppcpermitting@sepa.org.uk](mailto:ppcpermitting@sepa.org.uk) for our most recent guidance on energy efficiency cost benefit analysis which will explain the methodology to be applied.

## Section A1-1 - Energy efficiency

Does schedule 25 apply to your activity?

Yes

No

If 'Yes', please provide full information in a separate document.

If 'No', please specify which exemption criteria apply to your activity.

### Document reference

## Section A1-2 - Cost benefit analysis

### A1-2.1 Cost benefit analysis

Has a comprehensive national assessment and any associated cost benefit analysis demonstrated that a site-specific cost benefit is unlikely to be positive?

Yes

No

If 'Yes', please provide details.

If 'No', please supply a completed comprehensive cost benefit analysis in accordance with schedule 25, part 2 of EASR.

### Document reference

N/A

**A1-2.2 Opportunities for cogeneration or district heating**

Please supply results of your own search for opportunities for high efficiency cogeneration or district heating.

**Document reference**

N/A

**A1-2.3 Potential heat loads**

Please supply any evidence of discussions with operators of potential heat loads which could be supplied.

**Document reference**

N/A

**A1-2.4 Heat availability or requirements at the proposed authorised place**

Please supply any technical detail on the amount and type of heat available from/required by the proposed authorised place.

**Document reference**

N/A

**A1-2.5 Heat availability or requirements at potential heat loads or sources**

Please supply any technical details on the amount and type of heat required by or available from potential heat loads or sources.

**Document reference**

N/A

**A1-2.6 High-efficiency co-generation calculations**

Please supply high-efficiency co-generation calculations.

**Document reference**

N/A

**A1-2.7 Plan to implement the scheme**

If the cost benefit analysis shows a positive result (i.e. the financial benefits are greater than the costs), provide a plan to implement the scheme, with justification and any supporting information. Include a discussion on any sensitivity analysis used.

**Document reference**

N/A