

Non-Domestic Renewable Heat Incentive

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Emissions Certificate

In order to accredit any biomass boiler or stove applications received for the domestic or non-domestic Renewable Heat Incentive (RHI) schemes, Ofgem must be satisfied that a valid emission certificate exists for the specific model in the application (or alternatively for the non-domestic RHI, an environmental permit for the site). This template incorporates all information required to demonstrate that the tested plant meets the air quality requirements of the RHI. It must be fully completed and issued by a testing laboratory in order to be a valid certificate.

1. TEST HOUSE	
a) Name and address of the testing laboratory which has carried out the required tests and issued this certificate. *	
<i>*If different, include details of both.</i>	
b) Name and signature of the person authorised by the testing laboratory to issue the certificate.	Name:
	Signature:
c) Date of issue of this certificate, together with certificate reference number for this certificate.	Date: <i>dd/mm/yyyy</i>
<i>*Please see Note A.</i>	Certificate reference number:
	<i>Optional:</i> reference number of original test report on which this certificate is based:
d) Please confirm that the testing laboratory is accredited to BS EN ISO/IEC 17025:2017 and give the date of accreditation and accreditation number.	Yes/No
	Date of accreditation:
<i>If testing is conducted on or after 24 September 2013, the testing laboratory must be BS EN ISO/IEC 17025:2017 accredited at the time of testing.</i>	Accreditation number:

2. PLANT – Please see Note B	
a) Name of the plant tested.	
b) Model of the plant tested. *	
<i>*Please ensure this is the same as in the manufacturer's documentation and boiler nameplate.</i>	
c) Manufacturer of the plant tested.	
d) Installation capacity* of the plant tested in kilowatts (kW)	
<i>*The total installed peak heat output capacity.</i>	
e) Is the plant a <u>manually stoked, natural draught</u> plant? (Without a fan providing forced or induced draught.)	Yes/No

<p>f) (i) Date the plant was tested. *</p> <p>(ii) Please confirm that emissions of NO_x and PM have been tested on the same occasion.</p> <p><i>*This is in reference to the emissions testing for PM and NO_x, not any wider range of tests. A specific date is required. Please provide the date of test performed at ≥85% of the installation capacity. If more than one model has been tested or testing has been conducted on different dates for different fuels, please list each date with details.</i></p>	<p>dd/mm/yyyy</p> <p>Yes/No</p>
<p>g) Please list all the plants in the type-testing range* of plants to which the certificate applies, if any.¹ Please include the installation capacity of each model.</p> <p><i>*This must follow the ratio rules: If the smallest plant in the range is 500kW or less, the largest plant in the range can't be more than double the smallest. If the smallest plant in the range is over 500kW, the largest plant in the range can't be more than 500kW greater than the smallest.</i></p>	

3. FUELS

<p>a) Types of fuels used when testing.</p> <p><i>Where relevant, the fuel should be classified according to BS EN 303-5, referencing the relevant BS EN ISO 17225 standard for specific classification. We don't expect broader categories such as 'beech'.</i></p> <p><i>For fuel classified according to BS EN ISO 17225-1, please specify all the normative information for that fuel type as contained in the relevant tables in BS EN ISO 17225-1.</i></p> <p><i>Please note that BS EN 303-5:2012 was superseded by BS EN 303-5:2021 on 10th January 2022. Please use the applicable standard in force at the date of testing.</i></p>	
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¹ The type-testing approach enables testing laboratories to provide assurance that all boilers in a given range meet the air quality requirements, without needing to specifically test each boiler.

<p><i>Please also note that the BS EN ISO 17725:2014 series has been replaced by the BS EN ISO 17225:2021 series. Please use the applicable standard in force at the date of testing.</i></p>	
<p>b) Based on the testing, list the types of fuel which can be used in compliance with the emission limits of 30 grams per gigajoule (g/GJ) net heat input for particulate matter (PM), and 150 g/GJ net heat input for oxides of nitrogen (NOx)</p> <p><i>Where relevant, the fuel should be classified according to BS EN 303-5, referencing the relevant BS EN ISO 17225 standard for specific classification. We don't expect broader categories such as 'beech'.</i></p> <p><i>For fuel classified according to BS EN ISO 17225-1, please specify all the normative information for that fuel as contained in the relevant tables in BS EN ISO 17225-1.</i></p> <p><i>Please note that BS EN 303-5:2012 was superseded by BS EN 303-5:2021 on 10th January 2022. Please use the applicable standard.</i></p> <p><i>Please also note that the BS EN ISO 17725:2014 series has been replaced by the BS EN ISO 17225:2021 series. Please use the applicable standard.</i></p>	
<p>c) Moisture content of the fuel used during testing. (If multiple fuel types have been tested state all.)</p>	xx%
<p>d) Maximum allowable moisture content* of fuel which can be used with the certified plant(s) to ensure that RHI emission limits are not exceeded.</p> <p><i>*This value may be obtained from ranges specified in relevant EN 17225 standard for specific fuel classifications or EN 303-5 when not applicable. Different fuel types should state different maximum allowable moisture contents.</i></p>	my%

4. TESTS

Please confirm which requirements the emissions of NOx and PM have been tested in accordance with. Either 4a or 4b must be confirmed to be a valid RHI certificate.	
<p>a) Please confirm that testing was carried out in accordance* with the provisions relevant to emissions of PM and NOx in BS EN 303-5:2012 or a subsequent version of that standard, whichever version was current at the time of testing.²</p> <p><i>*It is not a requirement that the tested plant must be within the scope of one of these standards, as long as the test lab can confirm that all of the relevant provisions were followed appropriately.</i></p>	Yes/No
<p>b) Please confirm that:</p> <p>(i) testing was carried out in accordance with the listed standards in force at the time of the test:</p> <p>(1) EN 14792:2005, BS EN 14792:2017 or a subsequent version of that standard in respect of NOx emissions and</p> <p>(2) EN 13284-1:2002 or ISO 9096:2003, BS EN 13284-1:2017 or BS ISO 9096:2017 or a subsequent version of one of those standards in respect of PM emissions;³</p> <p>(ii) emissions of PM represent the average of at least three measurements of emissions of PM, each of at least 30 minutes duration; and</p> <p>(iii) the value for NOx emissions is derived from the average of measurements made throughout the PM emission tests.</p>	<p>Yes/No</p> <p>Yes/No</p> <p>Yes/No</p>
c) Please confirm that the test was carried out at no less than 85% of the installation capacity of the plant.	Yes/No
d) Please confirm that when tested emissions from the plant did not exceed 30 g/GJ PM and 150 g/GJ NOx.	Yes/No
<p>e) Measured* emissions of PM in g/GJ net heat input.</p> <p><i>*This average value should be from the test confirmed in 4c. Results from partial load tests are not required. This value must be in the specified units.</i></p>	
<p>f) Measured* emissions of NOx in g/GJ net heat input.</p> <p><i>*This average value should be from the test confirmed in 4c. Results from partial load tests are not required.</i></p>	

² BS EN 303-5:2012 or a subsequent version explain what should be measured and when.

³ These standards explain how to make the PM and NOx measurements.

<i>This value must be in the specified units.</i>	
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Note A: If details from a previously issued certificate or an original test report are being transferred to this RHI emission certificate template, please note that this document must be **issued by the testing laboratory as a separate certificate**. The issue date and certificate reference number should be in relation to *this* certificate produced using the RHI template, not the issue date and reference number of the original certificate or test report.

Note B: If you are including multiple tested plants on one certificate, please ensure that all sections are completed for each tested plant and are laid out such that it is clear which details relate to which tested plant. If a type-testing range is included as well, please show clearly which type-testing range relates to which tested plant(s), following the type-testing range ratio rules outlined in 2g).