

## Renewable Heat Incentive

**Non-domestic Renewable Heat Incentive Emissions Certificate** 

This certificate provides evidence that the tested boiler meets the air quality requirements of the non-domestic Renewable Heat Incentive (RHI) – Reg 5A(3) and Schedule A1. It must be issued by a testing laboratory. Applicants applying for the RHI with biomass boilers must submit a certificate with their application, or alternatively, an environmental permit.

## BLT 0017/14, ÖkoFEN GmbH, Pellematic PES 08 to Pellematic PES 64, wood pellets

1. TEST HOUSE	br II F	
a) name and address of testing laboratory	BLT Wieselburg HBLFA Francisco Josephinum AT 3250 Wieselburg, Rottenhauser Straße 1 blt@josephinum.at, http://blt.josephinum.at	
b) name and signature of the person authorised by the testing laboratory to issue the certificate	Name: DiplIng. Heinrich Prankl (For the accredited test in stitute) (For the factual correctness) (For the factual correctness) (For the factual correctness) (For the accredited test in stitute)	
c) date of issue of this certificate together with certificate reference number *Please see Note A  Plant 1 - Pellematic PES 08  Plant 2 - Pellematic PES 10 (family member)  Plant 3 - Pellematic PES 12 (family member)  Plant 4 - Pellematic PES 15 (family member)  Plant 5 - Pellematic PES 16  Plant 6 - Pellematic PES 20 (family member)	Date: 13/01/2014  Ref: BLT 0017/14  BLT Wieselburg test report, approval no: 010/05  BLT Wieselburg, reference number: 0180/11  BLT Wieselburg, reference number: 0180/11  BLT Wieselburg, reference number: 0180/11  BLT Wieselburg test report, approval no: 011/05  BLT Wieselburg, reference number: 0181/11	
Plant 7 - Pellematic PES 25 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 12 - Pellematic PES 64	BLT Wieselburg, reference number: 0181/11 BLT Wieselburg test report, approval no: 012/05 BLT Wieselburg, reference number: 0179/11 BLT Wieselburg, reference number: 0179/11 BLT Wieselburg, reference number: 0179/11 BLT Wieselburg test report, approval no: 028/07	
d) if testing laboratory is accredited to BS EN ISO/IEC 17025:2005, date of accreditation and accreditation number (note: if testing conducted after 24 September 2013, the testing laboratory must be BS EN ISO/IEC 17025:2005 accredited)	Date of accreditation: October 19, 2009 Initial date of accreditation: September 1, 1998 Accreditation number: A 0112 Federal Ministry of Economy, Family and Youth Division I/12 – Accreditation Body	

2.a PLANT Please see Note B	PLANT 1	PLANT 2	PLANT 3
a) name of the plant tested	ÖkoFEN Pellematic	ÖkoFEN Pellematic	ÖkoFEN Pellematic
b) model of the plant tested	Wood pellets heating boiler Pellematic PES 08	Wood pellets heating boiler Pellematic PES 10	Wood pellets heating boiler Pellematic PES 12
c) manufacturer of the plant tested	ÖkoFEN Forschungs und Entwicklungs GmbH Gewerbepark 1 A-4133 Niederkappel, Austria		ungs GmbH
<ul> <li>d) installation capacity* of the <b>tested</b> plant in kilowatts (kW)</li> <li>*defined in the RHI Regulations as the total installed peak heat output capacity of the plant</li> </ul>	8,0 kW	10,0 kW	12,0 kW
e) is the plant a <u>manually stoked, natural</u> <u>draught plant?</u> (that is, without a fan providing forced or induced draught)	No	No	No
f) (i) the date the plant was tested* (ii) please confirm that NOx and PM have been tested on the same occasion *This is in reference to the emissions testing for PM and NOx, not any wider range of tests. A specific date is required.	27.04.2005 yes	family member	family member
g) list of all the plants in the type-testing range* of plants to which the certificate applies, if any¹ Please include the <b>installation capacity</b> of each model. *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.	Wood pellets heating boiler Pellematic PES 08 / PES 10 / PES 12 / PES 15 / PES 16 / PES 20 / PES 25 / PES 32 / PES 36 / PES 48 / PES 56 / PES 64		

<sup>&</sup>lt;sup>1</sup> 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.

2.b PLANT Please see Note B	PLANT 4	PLANT 5	PLANT 6
a) name of the plant tested	ÖkoFEN Pellematic	ÖkoFEN Pellematic	ÖkoFEN Pellematic
b) model of the plant tested	Wood pellets heating boiler Pellematic PES 15	Wood pellets heating boiler Pellematic PES 16	Wood pellets heating boiler Pellematic PES 20
c) manufacturer of the plant tested	ÖkoFEN Forschungs und Entwicklungs GmbH Gewerbepark 1 A-4133 Niederkappel, Austria		ungs GmbH
<ul> <li>d) installation capacity* of the <b>tested</b> plant in kilowatts (kW)</li> <li>*defined in the RHI Regulations as the total installed peak heat output capacity of the plant</li> </ul>	14,9 kW	16,0 kW	20,0 kW
e) is the plant a <u>manually stoked, natural</u> <u>draught plant?</u> (that is, without a fan providing forced or induced draught)	No	No	No
f) (i) the date the plant was tested*   (ii) please confirm that NOx and PM have been tested on the same occasion *This is in reference to the emissions testing for PM and NOx, not any wider range of tests. A specific date is required.	family member	27.04.2005 yes	family member
g) list of all the plants in the type-testing range* of plants to which the certificate applies, if any² Please include the <b>installation capacity</b> of each model.  *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.	Wood pellets heating boiler Pellematic PES 08 / PES 10 / PES 12 / PES 15 / PES 16 / PES 20 / PES 25 / PES 32 / PES 36 / PES 48 / PES 56 / PES 64		

<sup>&</sup>lt;sup>2</sup> 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.

2.c PLANT Please see Note B	PLANT 7	PLANT 8	PLANT 9
a) name of the plant tested	ÖkoFEN Pellematic	ÖkoFEN Pellematic	ÖkoFEN Pellematic
b) model of the plant tested	Wood pellets heating boiler Pellematic PES 25	Wood pellets heating boiler Pellematic PES 32	Wood pellets heating boiler Pellematic PES 36
c) manufacturer of the plant tested	ÖkoFEN Forschungs und Entwicklungs GmbH Gewerbepark 1 A-4133 Niederkappel, Austria		lungs GmbH
<ul> <li>d) installation capacity* of the <b>tested</b> plant in kilowatts (kW)</li> <li>*defined in the RHI Regulations as the total installed peak heat output capacity of the plant</li> </ul>	25,0 kW	32,0 kW	36,0 kW
e) is the plant a <u>manually stoked, natural</u> <u>draught</u> plant? (that is, without a fan providing forced or induced draught)	No	No	No
f) (i) the date the plant was tested*   (ii) please confirm that NOx and PM have been tested on the same occasion *This is in reference to the emissions testing for PM and NOx, not any wider range of tests. A specific date is required.	family member	27.04.2005 yes	family member
g) list of all the plants in the type-testing range* of plants to which the certificate applies, if any³ Please include the <b>installation capacity</b> of each model. *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.	Wood pellets heating boiler Pellematic PES 08 / PES 10 / PES 12 / PES 15 / PES 16 / PES 20 / PES 25 / PES 32 / PES 36 / PES 48 / PES 56 / PES 64		

<sup>&</sup>lt;sup>3</sup> 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.

2.d PLANT Please see Note B	PLANT 10	PLANT 11	PLANT 12
a) name of the plant tested	ÖkoFEN Pellematic	ÖkoFEN Pellematic	ÖkoFEN Pellematic
b) model of the plant tested	Wood pellets heating boiler Pellematic PES 48	Wood pellets heating boiler Pellematic PES 56	Wood pellets heating boiler Pellematic PES 64
c) manufacturer of the plant tested	ÖkoFEN Forschungs und Entwicklungs GmbH Gewerbepark 1 A-4133 Niederkappel, Austria		ungs GmbH
d) installation capacity* of the <b>tested</b> plant in kilowatts (kW) *defined in the RHI Regulations as the total installed peak heat output capacity of the plant	48,0 kW	56,0 kW	64,0 kW
e) is the plant a <u>manually stoked, natural</u> <u>draught plant?</u> (that is, without a fan providing forced or induced draught)	No	No	No
f) (i) the date the plant was tested*   (ii) please confirm that NOx and PM have been tested on the same occasion *This is in reference to the emissions testing for PM and NOx, not any wider range of tests. A specific date is required.	family member	family member	29.03.2007 yes
g) list of all the plants in the type-testing range* of plants to which the certificate applies, if any <sup>4</sup> Please include the <b>installation capacity</b> of each model.  *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.	Wood pellets heating boiler Pellematic PES 08 / PES 10 / PES 12 / PES 15 / PES 16 / PES 20 / PES 25 / PES 32 / PES 36 / PES 48 / PES 56 / PES 64		

<sup>&</sup>lt;sup>4</sup> 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.

3. FUELS	
a) types of fuels used when testing	Wood Pellets C1 according to EN 303-5
b) based on the testing, list the range of fuels that 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) (based if relevant on classifications from EN14961 or EN303-5)	Wood Pellets C1 according to EN 303-5
c) moisture content of the fuel used during testing	
Plant 1 – Pellematic PES 08 Plant 5 – Pellematic PES 16 Plant 8 – Pellematic PES 32 Plant 12 – Pellematic PES 64	6.1 - 6.3 % 6.3 - 6.4 % 6.6 - 6.7 % 7.7 - 7.9 %
d) maximum moisture content* of the fuel which can be used with the certified plant(s) so as to ensure that the RHI emission limits are not exceeded. *This value may be obtained from ranges specified in EN 303-5 based on the fuel type(s) tested	≤ 12 % according to EN 303-5:1999

4. TESTS		
Confirm which requirements the emissions of NOx and PM have been tested in accordance with.  Either 4a or 4b should be confirmed, the other should be 'not applicable'		
<ul> <li>a) if the testing was carried out in accordance with the provisions relevant to emissions of PM and NOx in either BS EN 303-5:1999 or BS EN 303-5:2012<sup>5</sup>, please confirm:</li> <li>the test was conducted to whichever standard was current at the time of testing.</li> </ul>	EN 303-5:1999: yes	
b) if the testing was carried out in accordance with the following requirements, please confirm: (i) testing was carried out in accordance with: - EN 14792:2005 in respect of NOx emissions, and; - EN 13284-1:2002 or ISO 9096:2003 in respect of PM emissions <sup>3</sup> ; and		
(ii) emissions of PM represent the average of at least three measurements of emissions of PM, each of at least 30 minutes duration; and		
(iii) the value for NOx emissions is derived from the average of measurements made throughout the PM emission tests.		
<ul> <li>c) please confirm the plant was tested at ≥85% of the installation capacity of the plant</li> </ul>	yes	
d) please confirm the test shows that emissions from the plant were no greater than 30 g/GJ PM and 150 g/GJ NOx	yes	

<sup>&</sup>lt;sup>5</sup> BS EN303-5:1999 and 2012 explain what should be measured and when. <sup>3</sup> These standards explain how to make the PM and NOx measurements.

e) measured* emissions of PM in g/GJ net heat input *this 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.  Plant 1 - Pellematic PES 08 Plant 2 - Pellematic PES 10 (family member) Plant 3 - Pellematic PES 12 (family member) Plant 4 - Pellematic PES 15 (family member) Plant 5 - Pellematic PES 15 (family member) Plant 6 - Pellematic PES 16 Plant 7 - Pellematic PES 20 (family member) Plant 7 - Pellematic PES 25 (family member) Plant 8 - Pellematic PES 25 (family member) Plant 9 - Pellematic PES 26 (family member) Plant 10 - Pellematic PES 36 (family member) Plant 11 - Pellematic PES 48 (family member) Plant 12 - Pellematic PES 46 (family member) Plant 13 - Pellematic PES 64 Plant 14 - Pellematic PES 64 Plant 15 - Pellematic PES 64 Plant 15 - Pellematic PES 16 (family member) Plant 16 - Pellematic PES 16 (family member) Plant 17 - Pellematic PES 16 (family member) Plant 18 - Pellematic PES 64 Plant 19 - Pellematic PES 64 Plant 10 - Pellematic PES 10 (family member) Plant 10 - Pellematic PES 20 (family member) Plant 20 - Pellematic PES 20 (family member) Plant 30 - Pellematic PES 20 (family member) Plant 40 - Pellematic PES 20 (family member) Plant 50 - Pellematic PES 30 (family mem		
Plant 2 – Pellematic PES 10 (family member) Plant 3 – Pellematic PES 12 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 16 Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64 Plant 9 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64 Plant 9 – Pellematic PES 56 (family member) Plant 13 – Pellematic PES 64 Plant 9 – Pellematic PES 64 Plant 9 – Pellematic PES 64 Plant 9 – Pellematic PES 64 Plant 10 – Pellematic PES 64 Plant 10 – Pellematic PES 64 Plant 11 – Pellematic PES 64 Plant 12 – Pellematic PES 64 Plant 13 – Pellematic PES 16 Plant 14 – Pellematic PES 16 Plant 15 – Pellematic PES 16 Plant 16 – Pellematic PES 16 Plant 17 – Pellematic PES 16 Plant 18 – Pellematic PES 16 Plant 19 – Pellematic PES 16 Plant 19 – Pellematic PES 20 (family member) Plant 19 – Pellematic PES 32 Plant 19 – Pellematic PES 32 Plant 19 – Pellematic PES 34 (family member) Plant 10 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member)	*this value should be from the test confirmed in 4c. Results from partial load tests are not required.	×
Plant 3 – Pellematic PES 12 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 16 Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 12 – Pellematic PES 64 Plant 2 – Pellematic PES 64 Plant 3 – Pellematic PES 64 Plant 3 – Pellematic PES 64 Plant 1 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64 Plant 1 – Pellematic PES 64 Plant 2 – Pellematic PES 08 Plant 3 – Pellematic PES 10 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 16 Plant 6 – Pellematic PES 15 (family member) Plant 7 – Pellematic PES 16 Plant 8 – Pellematic PES 16 Plant 9 – Pellematic PES 16 Plant 9 – Pellematic PES 16 Plant 9 – Pellematic PES 20 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 34 (family member) Plant 8 – Pellematic PES 36 (family member) Plant 9 – Pellematic PES 36 (family member) Plant 9 – Pellematic PES 36 (family member) Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member)	Plant 1 – Pellematic PES 08	7 g/GJ (nominal heat output)
Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 16 Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 36 (family member) Plant 11 – Pellematic PES 36 (family member) Plant 12 – Pellematic PES 36 (family member) Plant 13 – Pellematic PES 36 (family member) Plant 14 – Pellematic PES 36 (family member) Plant 15 – Pellematic PES 36 (family member) Plant 16 – Pellematic PES 36 (family member) Plant 17 – Pellematic PES 38 (family member) Plant 18 – Pellematic PES 39 (family member) Plant 19 – Pellematic PES 30 (family member) Plant 30 – Pellematic PES 30 (family member) Plant 40 – Pellematic PES 30 (family member) Plant 50 – Pell	Plant 2 – Pellematic PES 10 (family member)	7 g/GJ (nominal heat output)
Plant 5 - Pellematic PES 16 Plant 6 - Pellematic PES 20 (family member) Plant 7 - Pellematic PES 25 (family member) Plant 7 - Pellematic PES 25 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 11 - Pellematic PES 48 (family member) Plant 12 - Pellematic PES 56 (family member) Plant 12 - Pellematic PES 64 Plant 1 - Pellematic PES 64 Plant 1 - Pellematic PES 64 Plant 2 - Pellematic PES 08 Plant 2 - Pellematic PES 10 (family member) Plant 3 - Pellematic PES 12 (family member) Plant 4 - Pellematic PES 15 (family member) Plant 5 - Pellematic PES 16 Plant 5 - Pellematic PES 20 (family member) Plant 6 - Pellematic PES 20 (family member) Plant 7 - Pellematic PES 21 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 10 - Pellematic PES 56 (family member) Plant 10 - Pellematic PES 56 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 10 - Pellematic PES 56 (family member) Plant 11 - Pellematic PES 56 (family member)	Plant 3 – Pellematic PES 12 (family member)	8 g/GJ (nominal heat output)
Plant 6 - Pellematic PES 20 (family member) Plant 7 - Pellematic PES 25 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 12 - Pellematic PES 66 (family member) Plant 13 - Pellematic PES 67 (family member) Plant 14 - Pellematic PES 68 Plant 1 - Pellematic PES 08 Plant 2 - Pellematic PES 10 (family member) Plant 3 - Pellematic PES 12 (family member) Plant 4 - Pellematic PES 15 (family member) Plant 5 - Pellematic PES 16 Plant 5 - Pellematic PES 20 (family member) Plant 6 - Pellematic PES 25 (family member) Plant 7 - Pellematic PES 20 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 9 - Pellematic PES 48 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 10 - Pellematic PES 56 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 10 - Pellematic PES 56 (family member) Plant 11 - Pellematic PES 56 (family member)	Plant 4 – Pellematic PES 15 (family member)	8 g/GJ (nominal heat output)
Plant 7 - Pellematic PES 25 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 12 - Pellematic PES 64 Plant 2 - Pellematic PES 64 Plant 3 - Pellematic PES 08 Plant 2 - Pellematic PES 10 (family member) Plant 3 - Pellematic PES 12 (family member) Plant 4 - Pellematic PES 15 (family member) Plant 5 - Pellematic PES 16 Plant 6 - Pellematic PES 16 Plant 7 - Pellematic PES 20 (family member) Plant 8 - Pellematic PES 25 (family member) Plant 9 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 9 - Pellematic PES 36 (family member) Plant 9 - Pellematic PES 48 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 11 - Pellematic PES 56 (family member) Plant 10 - Pellematic PES 56 (family member) Plant 11 - Pellematic PES 56 (family member)	Plant 5 – Pellematic PES 16	8 g/GJ (nominal heat output)
Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64 (family member) Plant 12 – Pellematic PES 64 (family member)  f) measured* emissions of NOx in <b>g/GJ</b> net heat input *this 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.  Plant 1 – Pellematic PES 08	Plant 6 – Pellematic PES 20 (family member)	8 g/GJ (nominal heat output)
Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64  f) measured* emissions of NOx in g/GJ net heat input *this 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.  Plant 1 – Pellematic PES 08 Plant 2 – Pellematic PES 10 (family member) Plant 3 – Pellematic PES 12 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 15 (family member) Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 10 – Pellematic PES 56 (family member) Plant 11 – Pellematic PES 56 (family member)	Plant 7 – Pellematic PES 25 (family member)	8 g/GJ (nominal heat output)
Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64  f) measured* emissions of NOx in <b>g/GJ</b> net heat input *this 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.  Plant 1 – Pellematic PES 08 Plant 2 – Pellematic PES 10 (family member) Plant 3 – Pellematic PES 12 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 15 (family member) Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 9 – Pellematic PES 48 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member)	Plant 8 – Pellematic PES 32	8 g/GJ (nominal heat output)
Plant 11 – Pellematic PES 56 (family member) Plant 12 – Pellematic PES 64  9 g/GJ (nominal heat output)  f) measured* emissions of NOx in g/GJ net heat input *this 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.  Plant 1 – Pellematic PES 08 Plant 2 – Pellematic PES 10 (family member) Plant 3 – Pellematic PES 12 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 15 (family member) Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 9 – Pellematic PES 48 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member)	Plant 9 – Pellematic PES 36 (family member)	8 g/GJ (nominal heat output)
Plant 12 – Pellematic PES 64  f) measured* emissions of NOx in g/GJ net heat input *this 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.  Plant 1 – Pellematic PES 08  Plant 2 – Pellematic PES 10 (family member)  Plant 3 – Pellematic PES 12 (family member)  Plant 4 – Pellematic PES 15 (family member)  Plant 5 – Pellematic PES 15 (family member)  Plant 6 – Pellematic PES 20 (family member)  Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 9 – Pellematic PES 48 (family member)  Plant 10 – Pellematic PES 56 (family member)  Plant 11 – Pellematic PES 56 (family member)	Plant 10 – Pellematic PES 48 (family member)	9 g/GJ (nominal heat output)
f) measured* emissions of NOx in <b>g/GJ</b> net heat input *this 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.  Plant 1 - Pellematic PES 08 Plant 2 - Pellematic PES 10 (family member) Plant 3 - Pellematic PES 12 (family member) Plant 4 - Pellematic PES 15 (family member) Plant 5 - Pellematic PES 15 (family member) Plant 6 - Pellematic PES 20 (family member) Plant 7 - Pellematic PES 25 (family member) Plant 8 - Pellematic PES 32 Plant 9 - Pellematic PES 36 (family member) Plant 10 - Pellematic PES 48 (family member) Plant 11 - Pellematic PES 56 (family member)	Plant 11 – Pellematic PES 56 (family member)	9 g/GJ (nominal heat output)
*this 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.  Plant 1 – Pellematic PES 08 Plant 2 – Pellematic PES 10 (family member) Plant 3 – Pellematic PES 12 (family member) Plant 4 – Pellematic PES 15 (family member) Plant 5 – Pellematic PES 16 Plant 6 – Pellematic PES 20 (family member) Plant 7 – Pellematic PES 25 (family member) Plant 8 – Pellematic PES 32 Plant 9 – Pellematic PES 36 (family member) Plant 10 – Pellematic PES 48 (family member) Plant 11 – Pellematic PES 56 (family member)	Plant 12 - Pellematic PES 64	9 g/GJ (nominal heat output)
Plant 2 – Pellematic PES 10 (family member)  Plant 3 – Pellematic PES 12 (family member)  Plant 4 – Pellematic PES 15 (family member)  Plant 5 – Pellematic PES 16  Plant 6 – Pellematic PES 20 (family member)  Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)	*this value should be from the test confirmed in 4c. Results from partial load tests are not required.	
Plant 3 – Pellematic PES 12 (family member)  Plant 4 – Pellematic PES 15 (family member)  Plant 5 – Pellematic PES 16  Plant 6 – Pellematic PES 20 (family member)  Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)	Plant 1 – Pellematic PES 08	74 g/GJ (nominal heat output)
Plant 4 – Pellematic PES 15 (family member)  Plant 5 – Pellematic PES 16  Plant 6 – Pellematic PES 20 (family member)  Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)	Plant 2 – Pellematic PES 10 (family member)	73 g/GJ (nominal heat output)
Plant 5 – Pellematic PES 16  Plant 6 – Pellematic PES 20 (family member)  Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)	Plant 3 - Pellematic PES 12 (family member)	72 g/GJ (nominal heat output)
Plant 6 – Pellematic PES 20 (family member)  Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)  Plant 12 – Pellematic PES 56 (family member)	Plant 4 – Pellematic PES 15 (family member)	70 g/GJ (nominal heat output)
Plant 7 – Pellematic PES 25 (family member)  Plant 8 – Pellematic PES 32  Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)  Plant 11 – Pellematic PES 56 (family member)  74 g/GJ (nominal heat output)  80 g/GJ (nominal heat output)  97 g/GJ (nominal heat output)	Plant 5 – Pellematic PES 16	69 g/GJ (nominal heat output)
Plant 8 – Pellematic PES 32 77 g/GJ (nominal heat output) Plant 9 – Pellematic PES 36 (family member) 80 g/GJ (nominal heat output) Plant 10 – Pellematic PES 48 (family member) 87 g/GJ (nominal heat output) Plant 11 – Pellematic PES 56 (family member) 92 g/GJ (nominal heat output)	Plant 6 – Pellematic PES 20 (family member)	71 g/GJ (nominal heat output)
Plant 9 – Pellematic PES 36 (family member)  Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)  80 g/GJ (nominal heat output)  87 g/GJ (nominal heat output)  92 g/GJ (nominal heat output)	Plant 7 – Pellematic PES 25 (family member)	74 g/GJ (nominal heat output)
Plant 10 – Pellematic PES 48 (family member)  Plant 11 – Pellematic PES 56 (family member)  87 g/GJ (nominal heat output)  92 g/GJ (nominal heat output)	Plant 8 – Pellematic PES 32	77 g/GJ (nominal heat output)
Plant 11 – Pellematic PES 56 (family member) 92 g/GJ (nominal heat output)	Plant 9 – Pellematic PES 36 (family member)	80 g/GJ (nominal heat output)
	Plant 10 – Pellematic PES 48 (family member)	87 g/GJ (nominal heat output)
Plant 12 – Pellematic PES 64 97 g/GJ (nominal heat output)	Plant 11 - Pellematic PES 56 (family member)	92 g/GJ (nominal heat output)
	Plant 12 – Pellematic PES 64	97 g/GJ (nominal heat output)

**Note A**: If details from a previously issued certificate 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. So the issue date and certificate reference number should be in relation to *this* certificate using the RHI template, not the issue date and reference number of the original certificate.

**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.