


	A	B	C	D	E	F	G	H	I
1	PROFORMA FOR DETERMINING ENERGY EFFICIENCY USING R1								
2	Site name, address and grid reference	Wealden Works JRS Facility, former Wealden Brickworks, Langhurstwood Road, Horsham, West Sussex RH12 4OD Grid	EPR Permit reference (if known)	EPR/CB3308TD					
3	Operator name	Britaniacrest Recycling Ltd	Application fee (£)	0 - included in permit fee					
4	Details of who to contact if we have any queries regarding this form	Jennifer Stringer							
5	What data has been used in the application? →		Design data						
6	Indicative R1 factor (subject to confirmation)	0.83	Quantity in reporting year	Units	U _c	Properties (Average over reporting year)	Units	Note which parameters that have been estimated	Reference to Supporting information
7	Climate change correction factor (optional)	1							
8	R1 after CCF adjustment	0.83							
9	1. Gross electricity meter (Electricity produced at turbine)		195200	MWh				Estimated from design	Drawing 6 Sankey Diag
10	2. Electricity exported - Net input/output meter		170400	MWh				Estimated from design	Drawing 6 Sankey Diag
11	3. Electricity imported - Net input/output meter		130	MWh				Estimated import	
12	4. Other fuel inputs								
13		4.1 Light fuel oil		litres		0.93	kg/l		
14						42800	kJ/kg		
15		4.2 Natural gas		Nm ³		34200	kJ/Nm ³		
16									
17		4.3 LPG		Nm ³			kg/Nm ³		
18							kJ/kg		
19		4.4 Other fuels similar to light fuel oil	234200	litres		0.853970965	kg/l		
20						42570	kJ/kg	Estimated fuel consum	Table 2-3 Supporting I
21	5. Primary combustion air (as supplied to furnace)		599888.98	m ³		1.225	kg/Nm ³		
22						15	°C		
23						0	kJ/kg	Based on typical design	
24	6. Secondary combustion air (as supplied to furnace)		340514.641	m ³		0.834	kg/Nm ³		
25						150	°C		
26						126.25	kJ/kg	Based on typical design	
27	7. Recycled flue gas (as supplied to furnace)			m ³			kg/Nm ³		
28							°C		
29							0	kJ/kg	
30	8. Heat exported outside R1 boundary								
31		8.1 steam exported		tonnes			°C		
32							kPa		
33							kJ/kg		
34		condensate returned		tonnes			°C		
35							kPa		
36							kJ/kg		
37		8.2 hot water exported		tonnes			°C		
38							kPa		
39							kJ/kg		
40		hot water returned		tonnes			°C		
41							kPa		
42							kJ/kg		
43									
44	9. Internal steam use								
45		9.1 for soot blowing (no backflow)		tonnes			°C		
46							kPa		
47							kJ/kg		
48		9.2 for steam driven devices		tonnes			°C		
49							kPa		
50							kJ/kg		
51		backflow as steam		tonnes			°C		
52							kPa		
53							kJ/kg		
54		9.3 for trace heating		tonnes			°C		
55							kPa		
56							kJ/kg		
57		backflow as condensate		tonnes			°C		
58							kPa		
59							kJ/kg		
60		9.4 for re-heating flue gas		tonnes			°C		
61							kPa		
62							kJ/kg		
63		backflow as condensate		tonnes			°C		
64							kPa		
65							kJ/kg		
66		9.5 for concentration processes		tonnes			°C		
67							kPa		
68							kJ/kg		
69		backflow as condensate		tonnes			°C		
70							kPa		
71							kJ/kg		
72		9.6 for building, equipment, tank heating		tonnes			°C		
73							kPa		
74							kJ/kg		
75		backflow as condensate		tonnes			°C		
76							kPa		
77							kJ/kg		
78		9.7 for deaeration and demineralisation		tonnes			°C		
79							kPa		
80							kJ/kg		

