

	Operator Process Material Checklist		Document Number Eras-DS-036
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Created by; J. Dee	Approved by; P. Wilson	Date; 14/02/2012	Revision 01

OPERATOR PROCESS MATERIAL CHECKLIST

1	DATE		2	Time	
3	OPERATOR				
4	SUPPLIER				
5	HAULAGE CO.				

6	Waste Type	Woodchip	<input type="checkbox"/>	Timber	<input type="checkbox"/>	Other	
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Tick as appropriate above, if other please give brief description of waste type

7	Visual Check	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>
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Please tick appropriate box above:

1. No Contamination (i.e Clean);
2. Minute levels of Contamination or Contaminants not including prohibited items (e.g. General contamination such as slate, stones);
3. Contaminated with prohibited items or otherwise to a degree which makes them unfit for purpose.

Prohibited Contaminants:

- Painted wood, MDF, hardboard, fibreboard;
- Halogenated organic compounds , eg lindane (identified by yellow colour);
- Heavy metal compounds as a result of treatment (e.g. Copperchrome Arsenate (CCA) identified by green colour);
- Creosote (identified by dark brown stain and smell);
- Metal, rubber, plastic & other unidentified foreign bodies;

10	Accepted	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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Please tick appropriate box above

11	Sample Taken	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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Please tick appropriate box above

IF ANSWER NO TO Question 10, PLEASE FILL OUT Questions 12 - 14

12	Quarantined	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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13	Rejected	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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14	Reason for Rejection				
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Emission Point Ref. Nº:	A4
Source of Emission:	CHP Plant
Location:	Adjacent to Digester Tank
Grid Ref. (12 digit, 6E,6N):	209623,79732
Vent Details Diameter:	0.65m
Height above Ground(m):	19m
Date of commencement:	

Characteristics of Emission:

(i) Volume to be emitted:			
Average/day	Nm ³ /d	Maximum/day	6,200Nm ³ /d
Maximum rate/hour	Nm ³ /h	Min efflux velocity	18.8m.sec ⁻¹
(ii) Other factors			
Temperature	°C(max)	°C(min)	723K(avg)
For Combustion Sources: Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry. _____%O ₂			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*): **When CHP plant operational**

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
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TABLE E.1 (iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: A4

Parameter	Prior to treatment ⁽¹⁾				Brief description of treatment	As discharged ⁽¹⁾					
	mg/Nm ³		kg/h			mg/Nm ³		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max
Carbon Monoxide						1400		8.67		76,033	
Oxides of Nitrogen						500		1.80		15,768	
Sulphur Dioxide						500		1.80		15,768	
Total Particulates						140		0.87		7,600	
Hydrogen Chloride						50		0.31		2,712	
Hydrogen Fluoride						5		0.031		271.2	
TOC (Methane)						1000		6.19		54,241	
Total Non Methane (VOC)						75		0.45		3,910	
Hydrogen Sulphide						5		0.031		271.2	

1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C, 101.3kPa). Wet/dry should be the same as given in Table E.1 (ii) unless clearly stated otherwise.

Table D2.2.2

Location of waste	Tonnes	Unit cost (per tonne or m ³) for removal AND disposal in case of sudden closure	Cost (€)	Disposal route and/or technique	Notes, rationale, clarifications
Building 1 Untreated Sludge	250	€100	25,000	Biological Treatment Plant	Transport and treatment at authorised biological treatment plant.
Building 1 Untreated liquid organic waste.	600	100	60,000	Biological Treatment	Transport and treatment at authorised biological treatment plant
Building 1 Quarantine Area	1	150	150	MRF	Transport and acceptance at licensed MRF
Building 2 Untreated Sludge	80	100	8,000	Biological Treatment Plant	Transport and treatment at authorised biological treatment plant
Building 2 Woodchip	75	20	1,500	Biological Treatment Plant	Transport and use at authorised biological treatment plant
AD Plant Digesters 1 & 2	4,416	100	441,600	Biological Treatment Plant	Transport and treatment at biological treatment plant.
AD Plant Digestate Storage Tank	500	15	7,500	Land spread	Land spreading on approved land banks
Total	5,922		543,750		