Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

ANNEX II

RECOVERY OPERATIONS

R 1

Use principally as a fuel or other means to generate energy⁽¹⁾

- (1) This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above:
 - 0,60 for installations in operation and permitted in accordance with applicable Community legislation before 1 January 2009,
 - 0,65 for installations permitted after 31 December 2008,
 - using the following formula:

Energy efficiency = $(Ep - (Ef + Ei))/(0.97 \times (Ew + Ef))$ In which:

Ep means annual energy produced as heat or electricity. It is calculated with energy in the form of electricity being multiplied by 2,6 and heat produced for commercial use multiplied by 1,1 (GJ/year)

Ef means annual energy input to the system from fuels contributing to the production of steam (GJ/year)

Ew means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year) Ei means annual energy imported excluding Ew and Ef (GJ/year)

0,97 is a factor accounting for energy losses due to bottom ash and radiation.

This formula shall be applied in accordance with the reference document on Best Available Techniques for waste incineration.

[The energy efficiency formula value will be multiplied by a climate correction factor (CCF) as shown below:

1. CCF for installations in operation and permitted in accordance with applicable Union legislation before 1 September 2015.

CCF = 1 if HDD >= 3 350

CCF = 1,25 if HDD <= 2 150

 $CCF = -(0,25/1\ 200) \times HDD + 1,698$ when 2 150 < HDD < 3 350

2. CCF for installations permitted after 31 August 2015 and for installations under 1 after 31 December 2029:

CCF = 1 if $HDD \ge 3350$

CCF = 1,12 if HDD <= 2 150

 $CCF = -(0,12/1\ 200) \times HDD + 1,335$ when 2 150 < HDD < 3 350

(The resulting value of CCF will be rounded at three decimal places).

[The value of HDD (Heating Degree Days) should be taken as the average of annual HDD values for the incineration facility location, calculated for a period of 20 consecutive years before the year for which CCF is calculated. For the calculation of the value of HDD the following method established by Eurostat should be applied: HDD is equal to $(18 \text{ }^\circ\text{C} - \text{Tm}) \times \text{d}$ if Tm is lower than or equal to 15 °C (heating threshold) and is nil if Tm is greater than 15 °C; where Tm is the mean (Tmin + Tmax)/2 outdoor temperature over a period of d days. Calculations are to be executed on a daily basis (d = 1), added up to a year.]]