

### **Attachment-4-4-1- Capacity Calculations**

The relevant requirement for an Industrial Emissions (IE) Licence is outlined within the First Schedule of the EPA Act 1992. Activity 'Class 2.1 Combustion of fuels in installations with a total rated thermal input of 50 MW or more' specifically relates to this facility. For activity Class 1.1 of the Industrial Emissions Directive (IED) 2010/75/EU (as transposed into Irish law as Class 2.1 of the EPA Act 1992) there is no threshold at unit level i.e. the general aggregation rule applies which means that all combustion activities within an installation need to be considered in respect of the 'capacity' and the relevant threshold. If the total rated thermal input of all those combustion activities within the installation is 50 MW or more, then the whole installation falls under the scope of IE Licencing.

The Installation will comprise 40 no. 5.44 MW<sub>th</sub> emergency back-up generators; 10 no. 6.49 MW<sub>th</sub> emergency back-up generators; 1 no. 3.6 MW<sub>th</sub> emergency back-up generator; 1 no. 2.19 MW<sub>th</sub> emergency back-up generator; 2 no. 0.337 MW<sub>th</sub> fire sprinkler pumps, 2 no. 0.423 MW<sub>th</sub> fire sprinkler pumps, and 2 no. 0.57 MW<sub>th</sub> fire sprinkler pumps.

The combined thermal input (total capacity) from the emergency generators is 290.95 MW<sub>th</sub>, this exceeds the 50MW<sub>th</sub> threshold of *Class 2.1* First Schedule of the EPA Act 1992. The applicant is applying to the Environmental Protection Agency (EPA) for an Industrial Emissions (IE) Licence principally relating to the operation of emergency standby generators under Activity Class 2.1.