

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 Installation. 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, once fully operational will have installed the following generators:

Generators	No.	MWth	Total	Purpose
<i><u>Existing Installation</u></i>				
Building A	22	6.49	142.78	Emergency Backup
	2	0.52	1.04	Fire Sprinkler Pumps
Building B	22	6.49	142.78	Emergency Backup
	1	2.19	2.19	Admin/House
Building C	22	6.49	142.78	Emergency Backup
	1	2.19	2.19	Admin/House
<i><u>Extended Installation</u></i>				
Building E	1	3.57	3.57	Emergency Backup
Building F	18	7.45	134.1	Emergency Backup
	1	1.84	1.84	Admin/House
Building G	18	7.45	134.1	Emergency Backup
	1	1.84	1.84	Admin/House
Total MWth			709.21	

The combined thermal input (total capacity) from the emergency generators, once operational, is c. **709.21 MW_{th}**. This exceeds the 50MW_{th} threshold of *Class 2.1* First Schedule of the EPA Act 1992. The applicant is applying to the Environmental Protection Agency (EPA) for review of the existing Industrial Emissions (IE) Licence principally relating to the operation of emergency standby generators under Activity Class 2.1.