

### **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 as there is no threshold at unit level. 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.

The facility once fully operational will have installed a total of: 70 no. 6.49 MWth diesel powered emergency back-up generators; 3 no. 3.03 MWth diesel powered emergency back-up generators, and 2 no. 0.450 MWth diesel powered emergency back-up fire pumps.

The combined thermal input from the emergency generators once operational is 464.3 MWth., this exceeds the 50MWth threshold of Class 2.1 of the 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 diesel-powered emergency backup generators under Activity Class 2.1.

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