

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 comprise a total of: 103 no. 6.49 MW_{th} diesel powered emergency back-up generators; 2 no. 2.19 MW_{th} diesel powered emergency back-up generators; 4 no. 0.450 MW_{th} diesel powered fire pumps.

The combined thermal input (total capacity) from the generators once operational is 674.65 MW_{th}, this exceeds the 50MW_{th} threshold set out in Class 2.1 of the EPA Act 1992 (as amended). 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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