

# Attachment 4.5.1 Applicable Regulations

Sub Section 4.5 Other Regulations and Directives  
Application ID LA003577

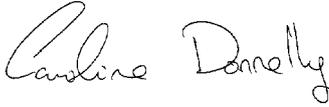
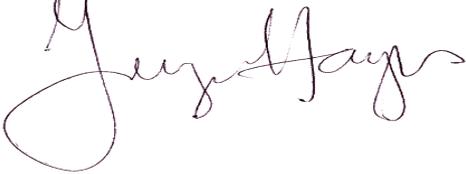
Dublin Waste to Energy Limited

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Quality information

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## 1. Introduction

On completion of section 4.5 of the EDEN licence application Dublin Waste to Energy Limited (DWtE) has identified that the following is applicable to its installation:

- Operator of equipment and systems containing fluorinated greenhouse gases, in accordance with Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases; and
- Medium Combustion Plant Directive (EU) 2015/2193 on the limitation of emissions of certain pollutants into the air from medium combustion plants.

The following sections outline how DWtE comes under these Directives/ Regulations.

### 1.1 Fluorinated greenhouse gases

It is noted that Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases, as referenced in the IE Licence Application form is no longer in force and has been replaced by Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006 Text with EEA relevance.

The new fluorinated greenhouse gas (F-gas) regulation is designed to mitigate climate change and protect the environment by reducing emissions of fluorinated greenhouse gases (F-gases). It aims to cut these by two thirds of today's levels by 2030 and lays down rules on the containment, use, recovery and destruction of F-gases while also banning the sale of certain products containing F-gases.

The site has a number of pieces of equipment containing fluorinated greenhouse gases primarily AC chillers (containing refrigerant R410a). The site has in place a refrigerant management plan procedure which describes the management of equipment containing fluorinated greenhouse gases (F-Gases). The purpose of the procedure is to ensure that F-Gas containing equipment is tightly controlled to maintain compliance with the necessary regulations in terms of maintenance checks (including leak checks), prevention of emissions, data records, competencies of refrigerant contractors, labelling requirements and where the global warming potential (GWP) of the refrigerant is of particular relevance.

No ozone depleting substances are in use on site.

### 1.2 Medium Combustion Plant (MCP) Directive

European Directive (EU) 2015/2193 of the European Parliament and the Council of 25 November 2015 on the limitation of emissions of certain pollutants into the air from medium combustion plants (Medium Combustion Plant (MCP) Directive) regulates pollutant emissions from the combustion of fuels in plants with a rated thermal input equal to or greater than 1 megawatt thermal input (MWth) and less than 50 MWth. The MCP Directive entered into force on 18 December 2015 and was to be transposed by EU Member States by 19 December 2017.

The Irish Government transposed Directive (EU) 2015/2193 into Irish Law via Statutory Instrument Number 595 of 2017 entitled 'European Union (Medium Combustion Plants) Regulations 2017 (the Regulations) and which gives effect to Directive (EU) 2015/2193.

The Regulations (i) designate the Environmental Protection Agency as the competent authority for the purposes of the Directive; (ii) provide for a mandatory system of registration for combustion plants with a rated thermal input equal to or greater than 1 MW and less than 50 MW irrespective of the fuel that they use; and, (iii) introduces emission limit values (ELVs) to be applied to in-scope combustion plant based on the age of plant and also size.

According to the regulations, the emission limit values set in the MCP Directive will have to be applied from 20 December 2018 for new MCPs, existing MCPs over 5MW must comply with emissions limits by 2025 and existing MCPs under or equal to 5MW must comply with emission limits by 2030.

The site has one emergency generator with a rated thermal input of 2.5 MWth. The emergency generator is considered 'existing combustion plant' under the MCP Regulations as it was in operation before the legislative deadline of 20<sup>th</sup> December 2018. However as this MCP operates less than 500 hours per year it is exempt from the Emission Limit Values set out in the MCP Regulations. As 'existing combustion plant' the emergency generator will not have to be registered until 2029. However as the facility is regulated through its IE Licence, the requirement for separate registration does not apply.

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