

### Attachment 4.5.1 Regulations / Directives

**1. EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations (S.I. No. 74 of 2006)**

Not Applicable – Not a SEVESO site

**2. Greenhouse gas emissions regulations permit**

Not Applicable – Total combustion of fuels less than 20MW.

**3. GMO regulations permit**

Not Applicable – product is derived from cellular material but will be purified to remove this and any viral material prior to entering the site.

**4. Waste authorisation (certificate of registration, waste facility permit) regulations**

Not Applicable

**5. Operator of equipment and systems containing ozone depleting substances, in accordance with regulation (EC) No. 1005/2009 on substances that deplete the ozone layer**

Not Applicable

**6. Operator of equipment and systems containing fluorinated greenhouse gases, in accordance with regulation (EC) 842/2006 on certain fluorinated greenhouse gases**

Applicable – Refrigerants in use include:

- R134a - Tetrafluoroethane
- R407c - Hydrofluorocarbons blend
- R717 - Ammonia
- R410a - Difluoromethane, Pentafluoroethane
- R404a - Hydrofluorocarbons blend

The contractor which handles refrigerants onsite, Apex Controls Ltd, is certified as being compliant to the guidelines as outlined in Commission Implementing Regulation (EU) No 2015/2067 of 17 November 2015. This certification was awarded on the 1<sup>st</sup> of January 218 and expires on the 31<sup>st</sup> of December 2018.

**7. European communities' mercury (export ban and safe storage) regulations (S.I. No. 27 of 2012) (Yes/No)**

Not applicable – No mercury in use on site

**8. S.I. No 564 of 2012: European Union (paints, varnishes, vehicle refinishing products and activities) Regulations 2012**

Not Applicable

**9. Regulations (EC) No 1102/2008 of the European parliament and of the council of 22 October 2008 on the banning of exports or metallic mercury and certain mercury compounds and mixtures and the safe storage of metallic mercury**

Not applicable – No mercury in use on site

**10. Operator of an agro-food processing plant where article 13 of the council directive 91/271/EEC concerning urban waste water treatment (> 4000p.e WWTP discharging to surface water) applies**

Not Applicable

**11. Local government (water pollution) act 1977 (Control of cadmium discharges) regulations 1985 (S.I. No 294 of 1985)**

Not Applicable

**12. Local government (water pollution) acts 1977 (control of hexachlorocyclohexane and mercury discharges) regulations 1986 (S.I. No. 55 of 1986)**

Not Applicable

**13. Local government (water pollution) acts, 1977 and 1990 (control of carbon tetrachloride, DDT and pentachlorophenol discharges) regulations 1994 (S.I. No 43 of 1994)**

Not Applicable

**14. Medium combustion plant directive (EU) 2015/2193 on the limitation of emissions of certain pollutants into the air from medium combustion plants**

Applicable – The proposed facility will include Liquid Petroleum Gas (LPG) fired steam boilers and 1 no. diesel fired emergency generator. These will be above 1MW and therefore the Medium Combustion Plant regulations apply.

The emergency generator will be tested 4-6 hours every month and will be used periodically in the event of a power outage. Therefore, under Regulation 13 of the directive the emission limit values do not apply. Periodic monitoring in accordance with the directive will be undertaken.

It is anticipated that the new LPG boilers will be operational after December 2018. As such, the ELV of 200 mg/Nm<sup>3</sup> for NO<sub>x</sub> will apply in accordance with Schedule 2 of the directive. The boilers have a design emission value of <200 mg/Nm<sup>3</sup> and are therefore compliant.

As the facility will be regulated through its Industrial Emissions Licence, the requirement for registration does not apply. Monitoring of the boiler emissions will be completed every three years in accordance with Schedule 3 of the regulations.

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