

4-5 Other Regulations and Directives

There are two regulations that are applicable the Great Island Power Station:

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

The Great Island Power Station qualified as a Lower Tier establishment under the Seveso Regulations due to the quantities of dangerous substances stored at the site.

The following summarises the inventory of Seveso substances:

Figure 1: Inventory of Seveso Substances

Name	Storage Arrangements	Usage	Hazard Label	Risk Phrase	Hazard Statements / Hazard Pictograms	Quantity Stored (tonnes)
Gas Oil	Bulk oil storage tank	Fuel	Xn, N	R20, R65, R66, R51/53	H304, H315, H332, H351, H373, H411 	9,800
Sodium Hypochlorite 14-15%	1 x bulk storage tank plus some smaller tanks	Treatment of cooling water	C, N	R34, R50, R31	H314, H400 	43
Hydrogen	Manifold Cylinder Pallets (MCPs)	Generator cooling	F+	R22	H280, H220 	0.1
Ammonia (20% solution)	Storage tank	Water treatment	C, N	R34, R50	H314, H400 	2
Natural Gas	No inventory; supplied to site from gas network	Fuel	F+	R12	H280, H220 	0

2. Greenhouse gas emissions regulations permit.

The plant is included under the Annex 1 of Directive 2003/87/EC for Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste). The permit number for this installation is: IE-GHG066-10378-4.

Figure 2: Greenhouse Gas Permit

