

EPA Application Form

4. Activity and Capacity

4.10.2 - LCP Abatement - Attachment

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Organisation Name: *

SSE Generation Ireland Limited

Application I.D.: *

LA006988

Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
As above	March 2018	Identification of required fields	Assist correct completion of attachment

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Authorisation Application Form

LCP Combustion Performance – Abatement Techniques

Complete the table below with a description of the abatement methods and technology propose to be used at each LCP unit/plant

Plant Reference Number (& LCP Unit ID where applicable) *	Measures to reduce /minimise / prevent consumption / emissions and/or optimise performance (list techniques) *
IE0029	The site is a CCGT and utilises the combination of two or more thermodynamic cycles, e.g. a Brayton cycle (gas turbine/combustion engine) with a Rankine cycle (steam turbine/boiler), to convert heat loss from the flue-gas of the first cycle to useful energy by subsequent cycle
	The gas turbine is fitted with a dry low NOx burner, to optimise the air/fuel ratio producing a uniform low temperature flame in the combustion chamber to minimise the production of NOx.
	When the gas turbine is fired on gasoil, water injection will be employed. Injection of water reduces the flame temperature and results in a reduction in NOx production
	The combustion system is maintained according to original equipment manufacturers recommendations and fitted with an advanced computer based control system to control the combustion efficiency and support the prevention and/or reduction of emissions. This also includes the use of high performance monitoring.
	The waste gas has been fitted with on line analysers to assess the performance of the plant and its abatement techniques

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