

# EPA Application Form

## 4. Activity and Capacity

### 4.10.1 - LCP - Plant Information - 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	Mar 2018	Identification of required fields	Assist correct completion of attachment

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\* indicates required field



## Authorisation Application Form

Complete **one template for each** LCP plant at the installation.

### LCP Plant

LCP – Plant Reference Number \*

IE0029

Emission Source Description \*

Combined Cycle Gas Turbine with Heat Recovery Steam Generators

Date of start of operation of the plant \*  
(in accordance with Article 72(3) of the Industrial Emissions Directive)

2015

Does or will Chapter III of the IED apply to this plant? (Yes/No) \*

Yes

Complete the table below with details of the LCP units contained in this LCP plant \*. (See the notes below table to clarify entry options).

Unit ID	Max Rated Thermal Input (MW)	Combustion Type <sup>1</sup>	Technology <sup>2</sup>	Primary Fuel <sup>3</sup>	Secondary Fuel <sup>3</sup>
A2-1	795	Gas Turbine	Combined Cycle Gas Turbine	Natural Gas	Gas Oil

\*add rows to the table as necessary

\* indicates required field

## Authorisation Application Form

### Option sets for above table:

**Note 1. Combustion Type: Option set**

- Boiler
- Diesel Engine
- Gas Engine
- Gas Turbine
- Other

**Note 2. Technology: Option set**

- Combined Cycle Gas Turbine (CCGT)
- Open Cycle Gas Turbine (OCGT)
- Reciprocating engines
- Pulverised solid fuel boiler
- Fluidised Bed combustion (FBC)
- Circulating fluidised bed combustion (CFBC)
- Dry bottom boiler (DBB)
- Wet bottom boiler (WBB)
- Grate-firing technology
- Compression ignition engines

**Note 3. Fuel Type: Options set**

- Coal
- Lignite
- Heavy Fuel Oil
- Other Fuel Oil
- Peat
- Natural Gas
- Biogas
- Solid Biomass
- Waste
- Gas Oil
- Other

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## Authorisation Application Form

**Chapter III Compliance Method** – Enter method from the Options listed: \*

Options: Emission Limit Values (ELVs),  
Transitional National Plan (TNP),  
Limited Lifetime Derogation (LLTD)

Emission Limit Values
No

Are you applying for a derogation from ELVs under Article 30 (5) and/or (6) of Chapter III of the IED? (**Yes/No**) \*

If '**Yes**' upload justification for your derogation request under Article 30 (5) and/or (6) of the IED (select Document Type: '**IED Article 30(5)/(6) Justification**').

Derogation request filename (**IED Article 30(5)/(6) Justification**):

Are you applying for a minimum desulphurisation rate under Article 31 of the IED instead of sulphur dioxide emission limit values? (**Yes/No**) \*

If '**Yes**' please upload technical justification for the alternative provisions requested (select Document Type: '**IED Article 31 Justification**').

Technical justification filename (**IED Article 31 Justification**):

Do you propose to avail of any of the provisions of the IED for combustion plant that operate less than 1,500 operating hours per year (as a rolling average over a period of 5 years)? (**Yes/No**) \*

If '**Yes**' please specify which of these provisions you are requesting, and provide any additional information necessary to demonstrate that the plant qualifies to avail of the selected provision(s) (select Document Type: '**Combustion Provisions**').

Combustion provision request filename (**Combustion Provisions**):

\* indicates required field

## Authorisation Application Form

Does this LCP fall within the scope of Article 36 of the IED in respect of carbon capture and storage? **(Yes/No) \***

Yes – The company has suitable space on the installation site for the equipment necessary to capture and compress carbon dioxide is set aside

If 'Yes' please upload an assessment as to whether the three conditions set out in Article 36(1) are met (select Document Type: **'IED Article 36(1) Conditions'**).

Article 36(1) assessment filename (**IED Article 36(1) Conditions**):

N/a

### Article 36(1):

- a) suitable storage sites are available,
- (b) transport facilities are technically and economically feasible,
- (c) it is technically and economically feasible to retrofit for carbon dioxide capture.

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Given the space is available on site at the installation, the conditions above would be considered as met



Úna O'Callaghan  
Office of Climate, Licensing & Resource Use,  
Environmental Protection Agency,  
Regional Inspectorate,  
Inniscarra,  
Co. Cork.

Date: October 7<sup>th</sup>, 2010-10-07

Dear Una,

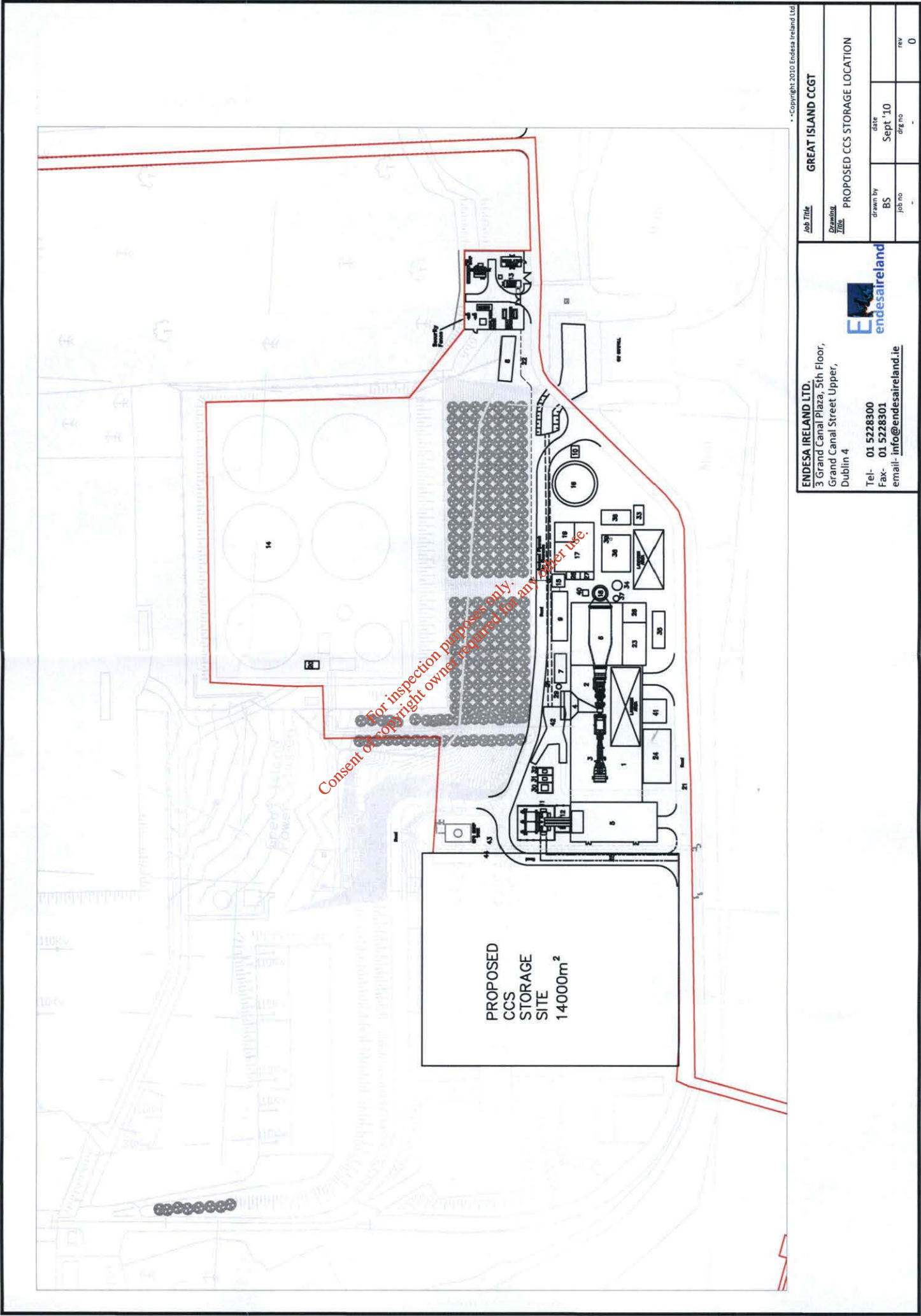
The attached map sets out the area that will be set aside solely for the purposes of Carbon Capture and Storage when the technology is developed for Combined Cycle Gas Turbine Plants. This area (14,000m<sup>2</sup>) is based on current estimates from the main CCGT plant manufacturers in terms of designing a site that will be ready for retro-fitting CCS technology. As per section 3.3 of the EIS accompanying our planning application, Endesa Ireland has committed to applying for planning permission to Wexford County Council for the demolition of the existing plant within six months of decommissioning of the existing plant. It is important to note that it will not be possible to operate both the new and existing plant in parallel due to grid constraints, re-use of certain existing infrastructure such as the cooling water intake/outfall, onsite reservoir, etc. The decommissioning of the existing plant will therefore commence once the new plant achieves commercial operation. This area will be available for retro-fitting of CCS technology when such technology has been optimised for use with CCGT power stations.

If you have any questions regarding the above, please do not hesitate to contact me.

Best Regards

A handwritten signature in black ink, appearing to read "Peter Gavican", written over a horizontal line.

Peter Gavican  
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Grand Canal Street Upper, Dublin 4  
Direct: +353 (0) 1 5228360



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**Job Title** GREAT ISLAND CCGT

**Drawing Title** PROPOSED CCS STORAGE LOCATION

**drawn by** BS      **date** Sept '10

**job no**      **fig no**      **rev**

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