

Tees CCPP Project

The Tees Combined Cycle Power Plant Project

Land at the Wilton International Site, Teesside

Other Consents & Licences

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Regulation 5(2)(q)



Applicant: Sembcorp Utilities (UK)

Date: ~~May~~ ~~November~~ 2018~~7~~

DOCUMENT HISTORY

Document Ref	5.4		
Revision	2 .0		
Author	Rob Booth (RB) and Scott Taylor (ST)		
Signed	RB and ST	Date	1016.0510.187
Approved By	Jake Barnes-Gott (JBG)		
Signed	JBG	Date	1007.0511.187
Document Owner	DWD		

GLOSSARY

Abbreviation	Description
A2O	Application to Offer
AILs	Abnormal Indivisible Loads
COMAH	Control of Major Accident Hazards
DCO	Development Consent Order
ES	Environmental Statement
HSE	The Health and Safety Executive
MW	megawatts
NGET	National Grid Electricity Transmission Plc
NGG	National Grid Gas Plc
NSIP	Nationally Significant Infrastructure Project
NTS	National Transmission System
Order	Tees Combined Cycle Power Plant (Generating Station) Order
PA 2008	The Planning Act 2008
PARCA	Planning and Advanced Reservation of Capacity Agreement
RCBC	Redcar and Cleveland Borough Council
SCU	Sembcorp Utilities (UK) Limited
Site	The Project Site
SoS	Secretary of State

CONTENTS

1	INTRODUCTION	1
	<i>Overview</i>	1
	<i>SCU</i>	1
	<i>The Purpose and Structure of this Document</i>	2
2	OTHER CONSENTS AND LICENCES	3

TABLES

	TABLE 2.1 - OTHER CONSENTS, LICENCES AND AGREEMENTS	4
--	---	---

1 INTRODUCTION

Overview

- 1.1 This 'Consents & Licences' document (Document Ref: 5.4) has been prepared by Sembcorp Utilities (UK) Limited ('SCU'). It forms part of the application (the 'Application') for a Development Consent Order (a 'DCO'), that has been submitted to the Secretary of State (the 'SoS') for Business, Energy and Industrial Strategy, under Section 37 of 'The Planning Act 2008' (the 'PA 2008').
- 1.2 SCU is seeking a DCO for the construction, operation and maintenance of a new gas-fired electricity generating station with a nominal net electrical output capacity of up to 1,700 megawatts ('MW') at ISO conditions (the 'Project' or 'Proposed Development'), on the site of the former Teesside Power Station, which forms part of the Wilton International Site, Teesside.
- 1.3 A DCO is required for the Proposed Development as it falls within the definition and thresholds for a 'Nationally Significant Infrastructure Project' (a 'NSIP') under Sections 14 and 15(2) of the PA 2008.
- 1.4 The DCO, if made by the SoS, would be known as the 'Tees Combined Cycle Power Plant (Generating Station) Order' (the 'Order').

SCU

- 1.5 SCU provides vital utilities and services to major international process industry customers on the Wilton International site on Teesside. Part of Sembcorp Industries, a Singapore-based group providing energy, water and marine services globally, Sembcorp Utilities UK also owns some of the industrial development land on the near 810 hectares (2,000 acre) site which is marketed to energy intensive industries worldwide.
- 1.6 SCU owns the land required for the Proposed Development.

The Project Site

- 1.7 The Project Site (the 'Site') is on the south west side of the Wilton International Site, adjacent to the A1053.
- 1.8 The Site lies entirely within the administrative area of Redcar and Cleveland Borough Council (RCBC) which is a unitary authority.
- 1.9 Historically the Site accommodated a 1,875 MW Combined Cycle Gas Turbine power station (the former Teesside Power Station) with the ability to generate steam for utilisation within the wider Wilton International site. The Teesside Power Station ceased generation in 2013 and was demolished between 2013 and 2015.
- 1.10 SCU has identified the Site, based on its historical land use and the availability of natural gas supply and electricity grid connections and utilities as a suitable location for the Project. In summary, the benefits of the Site include:
 - brownfield land that has previously been used for power generation;
 - on-site gas connection, supplied from existing National Grid Gas Plc infrastructure;
 - on-site electrical connection, utilising existing National Grid Electricity Transmission infrastructure;
 - existing internal access roads connecting to a robust public road network;
 - availability of a cooling water supply using an existing contracted supply (from the Wilton Site mains) and existing permitted discharge consent for effluent to the site drainage system
 - screening provided by an existing southern noise control wall, approximately 6 m in height;
 - potential for future CHP and CCS; and
 - existing services, including drainage.

1.11 A more detailed description of the Site is provided at Chapter 3 ‘Description of the Site’ of the Environmental Statement (‘ES’) Volume I (Application Document Ref. 6.2.3).

The Proposed Development

1.12 The main components of the Proposed Development are summarised below:

- **Work No. 1** – a natural gas fired electricity generating station located on land within the Wilton International site, Teesside, which includes the site of a former CCGT power station, with a nominal net electrical output capacity of up to 1,700 MWe at ISO Conditions; and
- **Work No. 2** – associated development comprising within the meaning of section 115(2) of the 2008 Act in connection with the nationally significant infrastructure project referred to in Work No. 1.

1.13 Please refer to Schedule 1 of the Draft DCO (Application Document Ref. 2.1) for more detail.

1.14 It is anticipated that subject to the DCO having been made by the SoS (and a final investment decision by SCU), construction work on the Project would commence in around the second half of 2019. The construction of the Project could proceed under one of two scenarios, based on SCU’s financial modelling, as follows.

- **‘Scenario One’**: two CCGT ‘trains’ of up to 850 MW are built in a single phase of construction to give a total capacity of up to 1,700 MW.
- **‘Scenario Two’**: one CCGT train of up to 850 MW is built and commissioned. Within an estimated five years of its commercial operation the construction of a further CCGT train of up to 850 MWe commences.

1.15 The above scenarios have been fully assessed within the ES.

1.16 A more detailed description of the Project is provided at Schedule 1 ‘Authorised Development’ of the draft DCO (Application Document Ref. 2.1) and Chapter 5 ‘Project Description’ of the ES Volume I.

The Purpose and Structure of this Document

1.17 The purpose of this document is to provide information on the other consents and licences (other than those that would be provided by the DCO) that are or may be required under other legislation for the construction and operation of the Proposed Development.

1.18 The document lists the type of consent/licence required, the relevant consenting body, any agreement that has been reached with that body, actions to be undertaken and the status of the relevant application (e.g. whether the consent/licence has been granted or the anticipated application submission date).

1.19 The document will be updated by SCU, as required, during the application process.

1.20 The relevant consents and licences that are required are listed in Section 2.

2 OTHER CONSENTS AND LICENCES

- 2.1 Information on the other consents that is considered will be required under other legislation for the construction and operation of the Project is set out in Table 2.1 on the following page.
- 2.2 Please note that the Site already benefits from an existing trade effluent permit, the Site will connect into the wider Wilton International Site drainage infrastructure, and hazardous substances consent or a Lower Tier Control of Major Accident Hazards ('COMAH') licence are not required. Consents or licenses relating to these matters are therefore not included in Table 2.1.

Table 2.1 - Other Consents, Licences and Agreements

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
1.	Electricity Generation Licence - Section 6 of The Electricity Act 1989 (licences authorising supply, etc.).	Gas and Electricity Markets Authority	Required for the generation of electricity by the Proposed Power Plant (Work No. 1A).	Semcorp will apply for the necessary Electricity Generation Licence	Feb 2018 April 2019
2.	Greenhouse Gas Permit - Greenhouse Gas Emissions Trading Scheme Regulations 2012	The Environment Agency	Required for the emission of carbon dioxide from the Proposed Power Plant (Work No. 1A).	No action required at present. Variation of existing permit UK-E-IN-11689 to be undertaken.	2020
3.	Environmental Permit - The Environmental Permitting (England and Wales) Regulations 2010	The Environment Agency	Required for the operation of the Proposed Power Plant (Work No. 1A).	No action required at present. Permit application to be undertaken.	2018/2019
7.	Bilateral Connection Agreement for connection to National Grid substation	National Grid Electricity Transmission Plc ('NGET')	Required for the Proposed Electrical Connection works (Work No. 1B) in respect of connection to NGET substation.	Submitted to NGET on 19 Sept 2017	
9.	Planning and Advanced Reservation of Capacity Agreement ('PARCA') for reservation of gas from the National Transmission System ('NTS')	National Grid Gas Plc ('NGG')	Required in connection with the Proposed Gas Connection.	Application drafted	End Oct 2017 Jan 2019
10.	Application to Offer ('A2O') for connection to	National Grid Gas Plc ('NGG')	Required in connection with the Proposed Gas Connection	Action required after Initial Offer Bespoke	Feb 2018 Aug 2018

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	NTS			Technical from Feasibility Study from NGG	
11.	Pipeline Safety Notification - The Pipeline Safety Regulations 1996 (Regulation 20)	The Health and Safety Executive ('HSE')	Required in connection with the Proposed Gas Connection. HSE must be notified a minimum of 6 months prior to commencement of construction of the Proposed Gas Connection.	Semcorp to notify HSE of on-plot gas pipeline work.	Sept 2018 Apr 2019
12.	Gas Safety Case - The Gas Safety (Management) Regulations 1996 (Regulation 3)	The Health and Safety Executive ('HSE')	Required in connection with the Proposed Gas Connection. A safety case must be prepared and submitted to the HSE for approval prior to gas being conveyed. An exemption may apply.	Semcorp to submit Safety Case for HSE approval	2021
13.	Notification of Construction Works - The Construction (Design and Management) Regulations 1994	The Health and Safety Executive ('HSE')	HSE should be notified in writing prior to the start of construction work on the Project using the HSE F10 Form.	No action required at present.	HSE will be notified prior to the commencement of the start of construction.
14.	Construction Noise Consent - Section 61 of The Control of Pollution Act 1974	Redcar & Cleveland Borough Council	May be required during construction of the Project for certain activities.	No action required at present.	Would be applied for during the construction phase for the Project if required.
15.	Permit for Transport of Abnormal Loads -The Road	VCA (the Executive Agency of the	Details for the management of Abnormal Loads and Abnormal Indivisible Loads ('AILs') would be	No action required at present.	A permit(s) would be sought once the

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	Vehicles (Authorisation of Special Types) (General Order 2003 or The Road Traffic Act 1988	Department for Transport), Highways England and local highway authority (North Yorkshire County Council).	secured by Requirement 15 of the draft DCO.		number and type of Abnormal Loads and AILs has been established following appointment of a contractor.
16.	Fire Notice - The Regulatory Reform (Fire Safety) Order 2005.	Local fire and rescue authority (the Health & Safety Executive has enforcement responsibility on construction sites).	Required in respect of work on construction sites.	No action required at present.	Would be submitted prior to the start of construction.
17.	Building Regulations Approval - The Building Regulations 2000 (as amended)	Redcar & Cleveland Borough Council.	Required in respect of buildings and structures forming part of the Project.	No action required at present.	Buildings Regulations Approval would be sought prior to and during the construction phase.