

The Eggborough CCGT Project

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The Eggborough CCGT (Generating Station) Order

Land at and in the vicinity of the Eggborough Power Station site,
near Selby, North Yorkshire, DN14 0BS

Other Consents and Licences - Rev. 2.0

The Planning Act 2008

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

Regulation 5(2)(q)



Applicant: Eggborough Power Limited

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GLOSSARY

Abbreviation	Description
AGI	Above Ground Installation
AILs	Abnormal Indivisible Loads
BEIS	Department of Business, Energy and Industrial Strategy
CCGT	Combined Cycle Gas Turbine
CCR	Carbon Capture Readiness
CRT	Canal & River Trust
DCO	Development Consent Order
DML	Deemed Marine Licence
EA	Environment Agency
EP UK	EP UK Investments Ltd
EPH	Energetický A Prumyslový Holding
EPL	Eggborough Power Limited
ES	Environmental Statement
HSE	Health and Safety Executive
IDB	Internal Drainage Board
kV	Kilovolt
m	Metres
MMO	Marine Management Organisation
MW	Megawatts
NE	Natural England
NG	National Grid
NGET	National Grid Electricity Transmission Plc
NGG	National Grid Gas Plc
NSIP	Nationally Significant Infrastructure Project
NTS	National Transmission System
NYCC	North Yorkshire County Council
OfGEM	Gas and Electricity Markets Authority
PA 2008	The Planning Act 2008
PARCA	Planning and Advanced Reservation of Capacity Agreement
PWA	Pipeline Works Authorisation
SDC	Selby District Council

Abbreviation	Description
SoS	Secretary of State
TCE	The Crown Estate
the Order	The Eggborough CCGT (Generating Station) Order

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1.0 INTRODUCTION

Overview

- 1.1 This 'Other Consents and Licences' document (Document Ref. 5.4) has been prepared on behalf of Eggborough Power Limited ('EPL' or the 'Applicant'). It forms part of the application (the 'Application') for a Development Consent Order (a 'DCO') 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 EPL is seeking development consent for the construction, operation and maintenance of a new gas-fired electricity generating station with a gross output capacity of up to 2,500 megawatts ('MW'), including electrical and water connections, a new gas supply pipeline and other associated development (the 'Project' or 'Proposed Development') on land at and in the vicinity of the existing Eggborough coal-fired power station, near Selby, North Yorkshire.
- 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 'Eggborough CCGT (Generating Station) Order' (the 'Order').

EPL

- 1.5 EPL owns and operates the existing Eggborough coal-fired power station (the 'existing coal-fired power station'), near Selby, including a significant proportion of the land required for the Proposed Development.
- 1.6 EPL was acquired by EP UK Investments Ltd (EP UK) in late 2014; a subsidiary of Energetický A Prumyslový Holding ('EPH'). EPH owns and operates energy generation assets in the Czech Republic, Slovak Republic, Germany, Italy, Hungary, Poland and the United Kingdom.

The Proposed Development Site

- 1.7 The Proposed Development Site (the 'Site' or the 'Order limits') is located at and in the vicinity of the existing coal-fired power station approximately 8 kilometres south of Selby.
- 1.8 The existing coal-fired power station is bound to the north by Wand Lane, with the River Aire located approximately 650 metres ('m') further to the north and the A19 Selby Road immediately to the west. Eggborough Village is located approximately 750 m to the south-west.
- 1.9 The entire Site lies within the administrative boundaries of Selby District Council ('SDC') and North Yorkshire County Council ('NYCC').
- 1.10 The existing coal-fired power station was officially opened in 1970 and comprises four coal-fired boilers units, which together are capable of generating up to 2,000 MW of electricity. The existing coal-fired power station also includes a turbine hall and boiler house, an emissions stack (chimney) of approximately 198 m in height, eight concrete cooling towers of approximately 115 m in height, an administration and control block, a coal stockyard and a dedicated rail line for the

delivery of coal, in addition to ancillary buildings, structures and infrastructure and utility connections.

- 1.11 The Site itself extends to approximately 102 hectares and comprises land within the operational area of the existing coal-fired power station for the new gas-fired generating station and electrical and groundwater supply connections; corridors of land to the north of the existing coal-fired power station for the cooling water connections and gas supply pipeline; an area of land to the south-east of the main coal stockyard for surface water discharge connections; and corridors of land to the west and south of the operational area of the existing coal-fired power station for ground and towns water supply connections and access.
- 1.12 The land required for the generating station and electrical and groundwater connections is owned by EPL, as well as the majority of the land for the cooling and towns water and surface water discharge connections. The majority of the land required for the gas supply pipeline is not owned by EPL.
- 1.13 The area surrounding the Site is predominantly flat and for the most part comprises agricultural land interspersed with small settlements and farmsteads. The area is however crossed by transport infrastructure, notably the A19 and railway lines, including the East Coast Mainline, in addition to overhead electricity lines associated with the existing coal-fired power station and other power stations within the wider area.
- 1.14 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).

The Proposed Development

- 1.15 The main components of the Proposed Development are summarised below:
- The **'Proposed Power Plant'** (Work No. 1) - an electricity generating station with a gross output capacity of up to 2,500 MW located on the main coal stockyard area of the existing coal-fired power station, comprising:
 - Work No. 1A - a combined cycle gas turbine ('CCGT') plant, comprising up to three CCGT units, including turbine hall and heat recovery steam generator buildings, emissions stacks and administration/control buildings;
 - Work No. 1B - a peaking plant and black start plant fuelled by natural gas with a combined gross output capacity of up to 299 MW, comprising a peaking plant consisting of up to two open cycle gas turbine units or up to ten reciprocating engines and a black start plant consisting of one open cycle gas turbine unit or up to three reciprocating gas engines, including turbine buildings, diesel generators and storage tanks for black start start-up prior to gas-firing and emissions stacks;
 - Work No. 1C - combined cycle gas turbine plant cooling infrastructure, comprising up to three banks of cooling towers, cooling water pump house buildings and cooling water dosing plant buildings; and
 - ancillary buildings, enclosures, plant, equipment and infrastructure connections and works.
 - The **'Proposed Electricity Connection'** (Work No. 3) - electrical connection works, comprising:

- Work No. 3A - up to 400 kilovolt ('kV') underground electrical cables to and from the existing National Grid ('NG') 400 kV substation;
 - Work No. 3B - works within the NG substation, including underground and over electrical cables, connection to busbars and upgraded or replacement equipment.
- The **'Proposed Cooling Water Connections'** (Work No. 4) - cooling water connection works, comprising works to the existing cooling water supply and discharge pipelines and intake and outfall structures within the River Aire, including, as necessary, upgraded or replacement pipelines, buildings, enclosures and structures, and underground electrical supply cables, transformers and control systems cables.
- The **'Proposed Ground and Towns Water Connections'** (Work No. 5) - ground and towns water supply connection works, comprising works to the existing groundwater boreholes and pipelines, existing towns water pipelines, replacement and new pipelines, plant, buildings, enclosures and structures, and underground electrical supply cables, transformers and control systems cables.
- The **'Proposed Access and Rail Works'** (Work No. 10) - rail infrastructure and access works, comprising alterations to or replacement of the existing private rail line serving the existing coal-fired power station site, including new rail lines, installation of replacement crossover points and ancillary equipment and vehicular and pedestrian access and facilities.
- The **'Proposed Surface Water Discharge Connection'** (Work No. 9) - surface water drainage connection works to Hensall Dyke to the south-east of the main coal stockyard, comprising works to install or upgrade drainage pipes and works to Hensall Dyke.
- The **'Proposed Gas Connection'** (Work No. 6) - gas supply pipeline connection works for the transport of natural gas to Work No. 1, comprising an underground high pressure steel pipeline of up to 1,000 millimetres (nominal bore) in diameter and approximately 4.6 kilometres in length, including cathodic protection posts, marker posts and underground electrical supply cables, transformers and control systems cables, running from Work No. 1 under the River Aire to a connection point with the National Transmission System ('NTS') for gas No. 29 Feeder pipeline west of Burn Village.
- The **'Proposed AGI'** (Work No. 7) - an Above Ground Installation ('AGI') west of Burn Village, connecting the gas supply pipeline (Work No. 6) to the NTS No. 29 Feeder pipeline, comprising:
 - Work No. 7A - a compound for National Grid's apparatus; and
 - Work No. 7B - a compound for EPL's apparatus.
- The **'Proposed Construction Laydown Area'** (Work No. 2A) - an area for temporary construction and laydown during the construction phase, including contractor compounds and facilities.
- The **'Proposed Carbon Capture Readiness ('CCR') Land'** (Work No. 2B) - an area of land to be reserved for carbon capture plant should such technology become viable in the future. It is proposed that this 'reserve' land is provided on part of the area to be used for temporary construction and laydown.
- The **'Proposed Retained Landscaping'** (Work No. 8) - encompassing the existing mature tree and shrub planting along the northern side of Wand Lane and to the eastern boundary of the existing coal-fired power station site, including that on the embankment around the eastern, southern and western boundaries of the main coal stockyard.

- 1.16 The 'associated development', for the purposes of section 115 of the PA 2008 comprises Work Nos. 2 to 10 of the Proposed Development.
- 1.17 It is anticipated that subject to the DCO having been made by the SoS (and a final investment decision by EPL), construction work on the Proposed Development would commence in early 2019. The overall construction programme is expected to last approximately three years, although the duration of the electrical and water connection and gas supply pipeline connection works would be significantly less. The construction phase is therefore anticipated to be completed in 2022 with the Proposed Development entering commercial operation later that year.
- 1.18 A more detailed description of the Proposed Development is provided at Schedule 1 'Authorised Development' of the draft DCO and Chapter 4 'The Proposed Development' of the ES Volume I (Application Document Ref. 6.2) and the areas within which each of the main components of the Proposed Development are to be built is shown by the coloured and hatched areas on the Works Plans (Application Document Ref. 4.4).

The Purpose and Structure of this Document

- 1.19 The purpose of this document is to provide information on the other consents and licences that are or may be required under other legislation for the construction and operation of the Proposed Development.
- 1.20 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).
- 1.21 The Other Consents and Licences document will be updated by EPL, as required, during the Examination of the Application.
- 1.22 The relevant consents and licences that are required are listed in Section 2.

2.0 OTHER CONSENTS AND LICENCES

- 2.1 Information on the other consents and licences that it is considered will be required under other legislation for the construction and operation of the Proposed Development is set out in **Table 2.1** below.

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 (OfGEM)	<p>Required for the generation of electricity by the Proposed Power Plant (Work No. 1).</p> <p>EPL has an existing Generation Licence (dated 28 September 2001).</p>	No action required.	n/a
2.	Greenhouse Gas Permit - Greenhouse Gas Emissions Trading Scheme Regulations 2012	The Environment Agency ('EA')	<p>Required for the emission of carbon dioxide from the Proposed Power Plant (Work No. 1).</p> <p>EPL understands that the existing Greenhouse Gas Permit for the existing coal-fired power station can be amended to cover the Proposed Power Plant.</p>	An amendment of the existing Permit is required.	Application submission prior to commissioning of the Proposed Power Plant.
3.	Environmental Permit - The Environmental Permitting (England and Wales) Regulations 2010	The Environment Agency ('EA')	<p>Required for the operation of the Proposed Power Plant (Work No. 1).</p> <p>EA has confirmed that this can take the form of a 'Substantial Variation' to the Environmental Permit for the existing coal-fired power station.</p>	Application currently with the EA. The EA confirmed the Application as 'Duly Made' on 28 June 2017.	EA to advise on determination timescale.
4.	Water Abstraction Licence - Sections 24 and	The Environment Agency ('EA')	Required for the abstraction of cooling water for the Proposed Power Plant	No action required.	n/a

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	25 of The Water Resources Act 1991 (as amended)		<p>(Work Nos. 1 and 4).</p> <p>EPL holds active Abstraction Licences for the abstraction of cooling water from the River Aire and two existing groundwater boreholes at the existing coal-fired power station site. These will be retained for use in connection with the Proposed Development.</p>		
5.	Hazardous Substances Consent - Sections 4 and 6 of The Planning (Hazardous Substances) Act 1990 & Schedule 1 of The Planning (Hazardous Substances) Regulations 2015	Selby District Council ('SDC')	<p>EPL understands that Hazardous Substances Consent ('HSC') will not be required unless Selective Catalytic Reduction ('SCR') is deployed for the secondary abatement of nitrogen oxide emissions as the quantities of ammonia required will be below the 'controlled quantities' set out at Schedule 1 of The Planning (Hazardous Substances) Regulations 2015.</p> <p>The decision on SCR will be made by the EA through the Environmental Permitting process depending on which technology represents Best Available Techniques ('BAT') for the Proposed Power Plant.</p>	No action currently required.	Application submission post grant of the DCO.

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
			If SCR is required to be installed, a HSC will be applied for prior to the commissioning of the plant, so it will be in place prior to the storage of the hazardous materials.		
6.	Lower Tier COMAH Licence - The Control of Major Accident Hazards ('COMAH') Regulations 2015	Health and Safety Executive ('HSE')	<p>May be required in connection with the Proposed Power Plant (Work No. 1).</p> <p>EPL understands that a Lower Tier COMAH Licence may be required from the HSE in respect of the storage of certain hazardous substances at the Site if a HSC is required (see 5. above) but not otherwise.</p> <p>If SCR is required to be installed, a Lower Tier COMAH Licence will be applied for prior to completing the detailed design of the Proposed Power Plant, so that appropriate safeguards can be included within the Plant design.</p>	Lower Tier COMAH Report to be prepared if required.	Application submission post grant of the DCO.
7.	Bilateral Connection Agreement for connection to National	National Grid Electricity Transmission Plc ('NGET')	Required for the Proposed Electrical Connection works (Work No. 3) in respect of connection to NGET substation.	A 'CUSC Exhibit 1 Mod-Ap' application was submitted to NGET on 20 October	Offer expected from NGET around the end of

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	Grid 400 kV substation			2017. NGET have confirmed that the application is 'competent'.	January 2018.
8.	Marine Licence - Section 71 of The Marine and Coastal Access Act 2009	Marine Management Organisation ('MMO')	<p>Required for the Proposed Cooling Water Connections (Work No. 4) and Proposed Gas Connection (Work No. 6) works within the tidal extent of the River Aire.</p> <p>EPL has agreed with the MMO that the DCO will incorporate a 'Deemed Marine Licence' ('DML').</p>	A DML is included at Schedule 13 of the draft DCO. The scope and terms of the DML have been discussed and agreed with the MMO.	n/a
9.	Environmental Permit (Flood Risk Activities) - The Environmental Permitting (England and Wales) Regulations 2010	The Environment Agency ('EA')	Required for works in, under, over or within 8 m of the top of the bank of a main river or within 16 m of the top of the bank of a tidal main river. Therefore, will be required for the Proposed Cooling Water Connections (Work No. 4) and Proposed Gas Connection (Work no. 6) works affecting or near to the River Aire flood defences.	No action required at present.	Application submission at least 2 months prior to start of construction.
10.	Environmental Permit (for discharge to surface	The Environment Agency ('EA')	May be required for discharge of uncontaminated surface water from the	No action required at present. This would be	The EA specify that the

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	water) – The Environmental Permitting (England and Wales) Regulations 2010		construction site if this lasts for more than 3 continuous months.	sought prior to construction if required by the contractor.	application should not be earlier than 3 months prior to when it is required during construction.
11.	Land Drainage Consent - Sections 23 and 66 of The Land Drainage Act 1991 (prohibition on obstructions etc. in watercourses, known as land drainage consent)	Internal Drainage Board ('IDB') (The Shire Group IDB)	Consents are required for crossing/working within minor water courses (e.g. Ings and Tetherings Drain and other unnamed drains) in connection with the Proposed Cooling Water Connections (Work No. 4) and Proposed Gas Connection (Work No. 6) works and for the works to Hensall Dyke in connection with the Proposed Surface Water Discharge Connection (Work No. 9).	Discussions have taken place with the IDB, which has confirmed that based upon evidence-based hydraulic assessments that have been undertaken, it agrees in principle to the proposed surface water discharge to Hensall Dyke, subject to a consent application in accordance with Section 66 (Drainage Bylaws) of the Land Drainage Act 1991 being submitted in due course.	Application submission prior to start of construction.
12.	Permits for Site Access and Surface Water Discharge - Code of	Canal & River Trust ('CRT')	Required for the Proposed Cooling Water Connections (Work No. 4).	Further discussions required with the CRT to establish the permits	Application submission prior to start of

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	Practice for Works Affecting the Canal & River Trust		EPL does not currently believe that any permit is required for surface water discharge.	required.	construction, if required.
13.	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 (Work No. 6) and Proposed AGI (Work no. 7).	A PARCA application submitted to NGG on 19 April 2017. NGG 'accepted' the PARCA application on 30 May 2017.	Output Report expected from NGG by 30 November 2017.
14.	Application to Offer ('A2O') for connection to NTS	National Grid Gas Plc ('NGG')	Required in connection with the Proposed Gas Connection (Work No. 6) and Proposed AGI (Work no. 7).	No action required at present.	Will follow on from PARCA application process.
15.	Crown Estate Consent - Section 135 of The Planning Act 2008	The Crown Estate ('TCE')	Required in connection with the Proposed Cooling Water Connections (Work No. 4) and Gas Connection (Work No. 6) works within the land owned by TCE at the River Aire.	EPL's land agent is currently in discussions with TCE. A further update will be provided during the Examination process, but it is anticipated that agreement will be reached with TCE before the close of the Examination.	To be confirmed.

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
16.	European Protected Species Licence - The Conservation of Habitats and Species Regulations 2010	Natural England ('NE')	<p>Required for any components of the Proposed Development that affect protected species.</p> <p>It is anticipated that no protected species would be affected by the Proposed Development based on surveys undertaken to date. However, pre-construction surveys would be undertaken to confirm the position (and the need for any licence(s)) prior to construction works. The pre-construction surveys are secured by a requirement within the DCO.</p>	No action required at present.	Application submission prior to start of construction if required.
17.	Permit to Move and Introduce Fish – The Introduction of Fish (England and River Esk Catchment Area) Regulations 2015	The Environment Agency ('EA')	Required in connection with the Proposed Construction Laydown Area (Work No. 2A) and the infilling of the back-up process water lagoon.	No action required at present.	Application submission prior to start of construction.
18.	Pipeline Safety Notification - The Pipeline Safety Regulations 1996	The Health and Safety Executive ('HSE')	Required in connection with the Proposed Gas Connection (Work No. 6).	No action required at present.	HSE will be notified a minimum of 6

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	(Regulation 20)		HSE must be notified a minimum of 6 months prior to commencement of construction of the Proposed Gas Connection.		months prior to commencement of construction of the Proposed Gas Connection.
19.	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 (Work No. 6). A safety case must be prepared and submitted to the HSE for approval prior to gas being conveyed. An exemption may apply.	No action required at present.	Safety case will be submitted prior to commencement of the start of construction of the Proposed Gas Connection.
20.	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 Proposed Development using the HSE F10 Form.	No action required at present.	HSE will be notified prior to the commencement of the start of construction.
21.	Construction Noise Consent - Section 61 of The Control of Pollution Act 1974	Selby District Council ('SDC')	May be required during construction of the Proposed Development for certain activities.	No action required at present.	Would be applied for during the construction phase for the Proposed Development if required.
22.	Permit for Transport of	VCA (the Executive	Details for the management of Abnormal	No action required at	A permit(s) would

No.	Consent/Licence	Relevant Body	Comments/Agreements	Application Status/Action Required	Anticipated Submission Date/Timescales
	Abnormal Loads -The Road Vehicles (Authorisation of Special Types) (General) Order 2003 or The Road Traffic Act 1988	Agency of the Department for Transport), Highways England and local highway authority (North Yorkshire County Council).	Loads and Abnormal Indivisible Loads ('AILs') are secured by a requirement within the DCO.	present.	be sought once the number and type of Abnormal Loads and AILs has been established following appointment of a contractor.
23.	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.
24.	Building Regulations Approval - The Building Regulations 2000 (as amended)	Selby District Council ('SDC')	Required in respect of buildings and structures forming part of the Proposed Development.	No action required at present.	Buildings Regulations Approval would be sought prior to and during the construction phase.