

The Eggborough CCGT Project

Document Ref: 1.2 - Rev. 7.0

PINS Ref: EN010081

The Eggborough CCGT (Generating Station) Order

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

Application Guide - Rev. 7.0 - Deadline 7

The Planning Act 2008

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

Regulation 5(2)(q)



Applicant: Eggborough Power Limited

Date: February 2018

DOCUMENT HISTORY

Document Ref	1.2		
Revision	7.0		
Author	Dalton Warner Davis LLP (DWD)		
Signed	Geoff Bullock (GB)	Date	14.02.18
Approved By	GB		
Signed	GB	Date	14.02.18
Document Owner	DWD		

GLOSSARY

Abbreviation	Description
AGI	Above Ground Installation
CCGT	Combined Cycle Gas Turbine
CCR	Carbon Capture Readiness
CEMP	Construction Environment Management Plan
DCO	Development Consent Order
EIA	Environmental Impact Assessment
EP UK	EP UK Investments Ltd
EPH	Energetický A Prumyslový Holding
EPL	Eggborough Power Limited
ES	Environmental Statement
HRA	Habitats Regulations Assessment
kV	Kilovolt
m	Metres
MW	Megawatts
NG	National Grid
NSIP	Nationally Significant Infrastructure Project
NTS	National Transmission System
PA 2008	The Planning Act 2008
SDC	Selby District Council
SoS	Secretary of State
the 2009 EIA Regulations	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009
the 2017 EIA Regulations	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017
the Order	The Eggborough CCGT (Generating Station) Order

CONTENTS

1.0 INTRODUCTION	1
Overview	1
EPL.....	1
The Proposed Development Site	1
The Proposed Development	2
The Purpose and Structure of this Document	4
2.0 DOCUMENTS.....	5

TABLES

Table 2.1 - Documents.....	6
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1.0 INTRODUCTION

Overview

- 1.1 This 'Application Guide' document (Document Ref. 1.2) 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'), 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 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 Průmyslový 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 Mains 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 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 Application Guide is to list all of the documents that make up the Application submitted to the SoS, in addition to the documents submitted during the Examination of the Application. The Application Guide will be updated by EPL at each of the Examination Deadlines.

2.0 DOCUMENTS

- 2.1 The Documents have been grouped into appropriate categories in Table 2.1 (below) and each has been given its own document reference number.
- 2.2 Table 2.1 details the submission version (the version submitted as part of the Application on 30 May 2017), where relevant, in addition to the current version of the document along with the date that the current version was submitted. The Documents submitted at Deadline 7 are highlighted yellow.

Table 2.1 - Documents

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
Category 1.0	Application Form and related documents			
1.1	Application Cover Letter	1.0	1.0	
1.2	Application Guide (this document)	1.0	7.0	14.02.18 – Deadline 7
1.3	Application Form	1.0	1.0	30.05.17
1.4	Notices for Statutory Publicity	1.0	1.0	30.05.17
Category 2.0	Draft Development Consent Order			
2.1	Draft Development Consent Order (DCO)	1.0	5.0	31.01.18 – Deadline 6
2.2	Explanatory Memorandum	1.0	1.0	30.05.17
2.3	Draft DCO - Comparison to Model Provisions Version	1.0	1.0	30.05.17
2.4	Draft DCO - Comparison to Submission Version (May 2017)	-	1.0	01.11.17 – Deadline 2
2.5	Explanatory Note on Changes to Draft DCO (Deadline 2)	-	1.0	01.11.17 – Deadline 2
2.6	Draft DCO - Comparison to Deadline 2 Version	-	1.0	30.11.17 – Deadline 3
2.7	Explanatory Note on Changes to Draft DCO (Deadline 3)	-	1.0	30.11.17 – Deadline 3
2.8	Draft DCO - Comparison to Deadline 3 Version	-	1.0	09.01.18 – Deadline 5
2.9	Explanatory Note on Changes to Draft DCO (Deadline 5)	-	1.0	09.01.18 – Deadline 5
2.10	Draft DCO - Comparison to Deadline 5 Version	-	1.0	31.01.18 – Deadline 6
2.11	Explanatory Note on Changes to Draft DCO (Deadline 6)	-	1.0	31.01.18 – Deadline 6
Category 3.0	Compulsory Acquisition Information			
3.1	Book of Reference (Parts 1-5)	1.0	3.0	01.11.17 – Deadline 2
3.2	Statement of Reasons	1.0	1.0	30.05.17
3.3	Funding Statement	1.0	1.0	30.05.17

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
Category 4.0	Plans, Drawings and Sections			
4.1	Location Plan	1.0	1.0	30.05.17
4.2	Land Plans (Key Plan and Sheets 1-4)	1.0	3.0	31.01.18 – Deadline 6
4.3	Crown Land Plan	1.0	2.0	01.11.17 – Deadline 2
4.4	Works Plans (Key Plan and Sheets 1-9)	1.0	1.0	30.05.17
4.5	Access and Rights of Way Plans (Key Plan and Sheets 1-4)	1.0	1.0	30.05.17
4.6	Indicative Generating Station Plans (Key Plan and Sheets 1-6)	1.0	1.0	30.05.17
4.7	Indicative Electrical Connection Works Plan (Sheet 1)	1.0	1.0	30.05.17
4.8	Indicative Cooling Water Connection Works Plans (Key Plan and Sheets 1-3)	1.0	1.0	30.05.17
4.9	Indicative Ground and Towns Water Connections Works Plan (Sheet 1)	1.0	1.0	30.05.17
4.10	Indicative Gas Supply Pipeline Connection Works Plans (Key Plan and Sheets 1-7)	1.0	1.0	30.05.17
4.11	Indicative Above Ground Installation Plans (Sheets 1-2)	1.0	1.0	30.05.17
4.12	Indicative Surface Water Drainage Plan	1.0	1.0	30.05.17
4.13	Indicative Landscape and Biodiversity Plans (Key Plan and Sheets 1-5)	1.0	1.0	30.05.17
4.14	Deemed Marine Licence Coordinates Plan	1.0	3.0	14.02.18 – Deadline 7
Category 5.0	Reports and Statements			
5.1	Consultation Report	1.0	1.0	30.05.17
5.2	Electricity Grid Connection Statement	1.0	1.0	30.05.17
5.3	Gas Connection and Pipeline Statement	1.0	1.0	30.05.17
5.4	Other Consents and Licences	1.0	2.0	01.11.17 – Deadline 2
5.5	Planning Statement	1.0	1.0	30.05.17

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
5.6	Design and Access Statement	1.0	1.0	30.05.17
5.7	Combined Heat and Power Assessment	1.0	1.0	30.05.17
5.8	Carbon Capture and Storage ('CCS') & Carbon Capture Readiness ('CCR') Statement	1.0	1.0	30.05.17 – See updated Carbon Capture Plant Indicative Layout Plan submitted at Deadline 2
5.9	Statutory Nuisance Statement	1.0	1.0	30.05.17
5.10	Indicative Landscape and Biodiversity Strategy (including Arboricultural Assessment and Indicative Landscape and Biodiversity Plan)	1.0	1.0	30.05.17
5.11	Indicative Lighting Strategy	1.0	1.0	30.05.17
Category 6.0	Environmental Impact Assessment Information			
6.1	Environmental Statement Non-Technical Summary	1.0	1.0	30.05.17
6.2	Environmental Statement ('ES') Volume I (Main Report)	1.0	1.0	30.05.17
6.2.1	Chapter 1 – Introduction	-	-	-
6.2.2	Chapter 2 - Assessment Methodology	-	-	-
6.2.3	Chapter 3 - Description of the Site	-	-	-
6.2.4	Chapter 4 - The Proposed Development	-	-	-
6.2.5	Chapter 5 - Construction Programme and Management	-	-	-
6.2.6	Chapter 6 - Need, Alternatives and Design Evolution	-	-	-
6.2.7	Chapter 7 - Legislative Context and Planning Policy Framework	-	-	-
6.2.8	Chapter 8 - Air Quality	-	-	See 9.1.3, 91.4 and 9.1.5 submitted at Deadline 2

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
6.2.9	Chapter 9 - Noise and Vibration	-	-	-
6.2.10	Chapter 10 - Ecology	-	-	See 9.1.8 submitted at Deadline 2
6.2.11	Chapter 11 - Water Resources, Flood Risk and Drainage	-	-	See 9.1.11 submitted at Deadline 2
6.2.12	Chapter 12 - Geology, Hydrogeology and Land Contamination	-	-	See 9.1.8 submitted at Deadline 2
6.2.13	Chapter 13 - Cultural Heritage	-	-	-
6.2.14	Chapter 14 - Traffic and Transportation	-	-	-
6.2.15	Chapter 15 - Land Use, Agriculture and Socio-economics	-	-	-
6.2.16	Chapter 16 - Landscape and Visual Amenity	-	-	-
6.2.17	Chapter 17 - Waste Management	-	-	-
6.2.18	Chapter 18 - Sustainability and Climate Change	-	-	-
6.2.19	Chapter 19 - Human Health	-	-	-
6.2.20	Chapter 20 - Cumulative and Combined Effects	-	-	See 9.1.6 submitted at Deadline 2
6.2.21	Chapter 21 - Summary of Significant Effects	-	-	-
6.3	ES Volume II (Figures)	1.0	1.0	30.05.17
6.3.1	Figure 1.1 - Site Location Plan	-	-	-
6.3.2	Figure 3.1 - The Site Boundary	-	-	-
6.3.3	Figure 3.2 - Parts of the Site	-	-	-
6.3.4	Figure 4.1a - Indicative Concept Layout (3 Single Shaft) for the Proposed Development with the Existing Coal-Fired Power Station Site	-	-	-
6.3.5	Figure 4.1b - Indicative Concept Layout (Multi Shaft + Single Shaft) for the Proposed Development with the Existing Coal-Fired Power Station Site	-	-	-
6.3.6	Figure 4.2 - Indicative Revised Railway Access Arrangement	-	-	-

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
6.3.7	Figure 4.3 - Gas Connection Route	-	-	-
6.3.8	Figure 4.4 - Above Ground Installation Layout	-	-	-
6.3.9	Figure 5.1 - Gas Connection Pipeline Construction Methods	-	-	-
6.3.10	Figure 5.2 - Gas Connection Open Cut Construction Typical Cross Section	-	-	-
6.3.11	Figure 5.3 - Indicative Cofferdam Arrangement (Cooling Water Abstraction Point)	-	-	-
6.3.12	Figure 5.4 - Indicative Cofferdam Arrangement (Cooling Water Discharge Point)	-	-	See 9.1.13 submitted at Deadline 2
6.3.13	Figure 6.1 - Initial CCGT Site Options	-	-	-
6.3.14	Figure 6.2 - Gas Connection Route Options	-	-	-
6.3.15	Figure 8.1 - Air Quality Study Area and Receptor Locations	-	-	See 9.1.2 submitted at Deadline 2
6.3.16	Figure 8.2 - Operational Process Contribution to Long-Term NO ₂ Concentration	-	-	-
6.3.17	Figure 8.3 - Operational Process Contribution to Short-Term NO ₂ Concentration	-	-	-
6.3.18	Figure 8.4 - Abnormal Operational Process Contribution to Short-Term NO ₂ Concentration	-	-	-
6.3.19	Figure 9.1 - Baseline Noise Monitoring Locations and Noise Sensitive Receptors	-	-	-
6.3.20	Figure 11.1 - Watercourses within the Study Area	-	-	-
6.3.21	Figure 12.1 - Environmental Database Features Recorded within Site Boundary	-	-	-
6.3.22	Figure 13.1 - Location of Designated Heritage Assets within the 5 km Study Area	-	-	-

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
6.3.23	Figure 13.2 - Location of Non-Designated Heritage Assets within the 1 km Study Area	-	-	-
6.3.24	Figure 15.1 - Agricultural Land Classification	-	-	-
6.3.25	Figure 16.1 - Potential Viewpoint Locations	-	-	-
6.3.26	Figure 16.2 - Landscape Characterisation	-	-	-
6.3.27	Figure 16.3 - Public Rights of Way	-	-	-
6.3.28	Figure 16.4 - Proposed 90 m Stack Zone of Theoretical Visibility with Existing Power Station Present	-	-	-
6.3.29	Figure 16.5 - Proposed 90 m Stack Zone of Theoretical Visibility without Existing Power Station Present	-	-	-
6.3.30	Figure 16.6 - Above Ground Installation Zone of Theoretical Visibility	-	-	-
6.3.31	Figure 16.7 - Viewpoint Locations	-	-	-
6.3.32	Figure 16.8-16.36 - Photo Viewpoints	-	-	-
6.3.33	Figure 16.37-16.54 - Photomontages	-	-	See 9.1.14 submitted at Deadline 2
6.3.34	Figure 16.55 – Indicative Landscape and Biodiversity Plan	-	-	-
6.3.35	Figure 20.1 - Other Developments Considered for Cumulative Impact Assessment	-	-	-
6.4	ES Volume III (Appendices)	1.0	1.0	30.05.17
6.4.1	Appendix 1A - Environmental Impact Assessment Scoping Report	-	-	-
6.4.2	Appendix 1B - Environmental Impact Assessment Scoping Opinion	-	-	-
6.4.3	Appendix 5A – Framework Construction Environment Management Plan (CEMP)	-	-	See 9.1.7 submitted at Deadline 2
6.4.4	Appendix 8A - Air Quality Assessment	-	-	-

Document Reference (Ref.)	Document Name	Submission Version	Current Version	Date /Deadline Current Version Submitted
6.4.5	Appendix 8B - Air Quality, Cooling System Plume Visibility	-	-	-
6.4.6	Appendix 9A - Construction Noise Assessment Methodology	-	-	-
6.4.7	Appendix 9B - Operational Noise Information	-	-	-
6.4.8	Appendix 10A - Legislation and Planning Policy	-	-	-
6.4.9	Appendix 10B - Ecological Impact Assessment Methodology	-	-	-
6.4.10	Appendix 10C - Preliminary Ecological Appraisal	-	-	-
6.4.11	Appendix 10D - Mammal Survey Report This includes Appendix 10D, Annex E 'Badger Survey Report', which due to its confidential nature has been provided separately. This document should only be provided to relevant consultation bodies and should not be published on the PINS website.	-	-	-
6.4.12	Appendix 10E - Great Crested Newt Survey Report	-	-	-
6.4.13	Appendix 10F - River Corridor and Aquatic Invertebrate Survey Report	-	-	-
6.4.14	Appendix 10G - Fish Survey Report	-	-	-
6.4.15	Appendix 10H - Habitats Regulations Assessment (HRA) Matrices Signposting & Screening and Integrity Matrices	-	-	See 9.12.1 submitted at Deadline 5
6.4.16	Appendix 11A - Flood Risk Assessment	-	-	-
6.4.17	Appendix 12A - Phase 1 Geotechnical & Geo-Environmental Site Assessment	-	-	-
6.4.18	Appendix 12B – Groundsure Report	-	-	-
6.4.19	Appendix 13A - Gazetteer of Cultural Heritage Assets	-	-	-
6.4.20	Appendix 13B - Geophysical Survey Report	-	-	-
6.4.21	Appendix 14A - Transport Assessment	-	-	-