



APPLICATION FORM

Drax Bioenergy with Carbon Capture and Storage

Planning Act 2008 (as amended)

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations, 2009 - Regulation 5(1)

Document Reference Number: 1.2

Applicant: Drax Power Limited

PINS Reference: EN010120



REVISION: 01

DATE: May 2022

DOCUMENT OWNER: WSP UK Limited

AUTHOR: S. Garford

APPROVER: C. Fountain

PUBLIC



Application for Development Consent for Nationally Significant Infrastructure Projects under the Planning Act 2008

* required information

Application Form

Please read guidance documents relating to the submission of applications prior to completing this form including [government guidance](#) and the Planning Inspectorate's [Advice Note Six: Preparation and submission of application documents](#).

Do you have a reference number?

☒ Yes ☐ No

Reference number

EN010120

1. Applicant

Organisation

Drax Power Limited

Address

Building number or name

Drax Power Station

Street

New Road

City or town

Selby

County or administrative
area

North Yorkshire

Postcode

YO8 8PH

Country

United Kingdom

Name of contact

Jim Doyle

Telephone number

[REDACTED]

Fax number

[REDACTED]

Email

[REDACTED]

2. Agent

Are you an agent acting on behalf of the Applicant?

☒ Yes ☐ No

Organisation

WSP UK Limited

Continued from previous page...

Address

Building number or name	Kings Orchard
Street	1 Queen Street
City or town	Bristol
County or administrative area	
Postcode	BS2 0HQ
Country	United Kingdom
Name of contact	Lara Peter
Telephone number	
Fax number	
Email	

3. Fee

State the arrangement for the application fee payment:

- ☐ BACS ☒ CHAPS ☐ Cheque

Please provide payment reference details	EN00120 (Transaction Ref BX22050536437327)
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4. Confirming why the Planning Inspectorate should receive the application

Brief statement to explain why this application is, or is to be treated as, a development for which development consent is required under the Planning Act 2008

Continued from previous page...

The Applicant is seeking development consent to install post combustion Carbon Capture technology on up to two of the existing 660-megawatt electrical ('MWe') biomass power generating units (Unit 1 and Unit 2) at the Drax Power Station in Selby, North Yorkshire (the 'Proposed Scheme'). The installation of this technology constitutes an extension to the Existing Drax Power Station (of which biomass Units 1 and 2 are part), and is referred to as post-combustion carbon capture as the carbon dioxide is captured from the flue gas produced during the combustion of biomass in Units 1 and 2. The Proposed Scheme is designed to remove approximately 95% of the carbon dioxide from the flue gas from these two Units, resulting in overall negative emissions of greenhouse gases.

The Proposed Scheme involves the use by the Applicant of land at the Drax Power Station for a purpose directly related to the generation of electricity by that station. The Applicant considers that, in this particular case, the installation of post-combustion carbon capture technology (Work No. 1 as set out in Schedule 1 to the draft DCO) constitutes the NSIP by virtue of it being an extension to the Existing Drax Power Station. The design is unique to carbon capture plants and arises as a result of Units 5 and 6 (the last two remaining coal-fired units at the Existing Drax Power Station) being decommissioned before the Proposed Scheme is operational. This presents an opportunity to the Applicant to design a carbon capture plant that makes use of spare capacity in terms of water treatment, water cooling and steam flows that arise as a result of the decommissioning of Units 5 and 6. The Proposed Scheme therefore involves the modification, upgrade and extension of existing apparatus which will result in the Proposed Scheme becoming an integral part of the process of generating electricity at the Existing Drax Power Station. The effect of the extension (the Proposed Scheme) will be that Units 1 and 2 of the Existing Drax Power Station will not only generate electricity but also produce negative emissions in generating that electricity. For example, the Proposed Scheme will form part of the water cycle of the Existing Drax Power Station and therefore part of the process of the generation of electricity. Indeed, it is akin to a carbon capture plant being incorporated in a new generating station, such as that being promoted at Net Zero Teesside and Keadby 3 (both current NSIP projects). The Proposed Scheme, therefore, comprises an extension of an existing generating station for the purpose of section 14(1)(a) of the PA 2008, and therefore is a Nationally Significant Infrastructure Project. A DCO is therefore required for the Proposed Scheme as it falls within the definition and thresholds for a NSIP under sections 14 and 15(2) of the PA 2008. Further detail is provided in the Explanatory Memorandum (document reference 3.2).

5. Non-technical description of the Proposed Development



Brief non-technical description of the Proposed Development

The Proposed Scheme would involve the installation of post-combustion carbon capture technology to capture carbon dioxide from up to two existing 660 megawatt electrical ('MWe') biomass power generating units at the Drax Power Station (Unit 1 and Unit 2). The installation of this technology constitutes an extension to the biomass Units 1 and 2 and is referred to as post-combustion carbon capture as the carbon dioxide is captured from the flue gas produced during the combustion of biomass in Units 1 and 2. The Proposed Scheme is designed to remove approximately 95% of the carbon dioxide from the flue gas from these two Units.

The carbon dioxide captured will undergo processing and compression before being transported via a proposed new pipeline for storage under the southern North Sea. Transport and storage infrastructure will be consented through separate applications submitted by other parties (not the Applicant) (see further details on the transport and storage infrastructure below).

Core items of the existing infrastructure at the Drax Power Station would be utilised by installing and integrating the Carbon Capture Plant with existing infrastructure including existing power generating units (Units 1 and 2) for extraction of steam, re-using the cooling water systems, Main Stack and electrical connections.

A full description of the Proposed Scheme is contained in Chapter 2 (Site and Project Description) of the ES (document reference 6.1.2).

6. Location or route of the Proposed Development



Description of location of application site(s), or route of development (reference to appropriate plans)

Continued from previous page...

The Proposed Scheme is located at and in the vicinity of the existing Drax Power Station, west of the village of Drax and approximately 5km south east of Selby and 7.5km north west of Goole. The location of the Site is shown in document reference 2.1 - Site Location Plan.

The existing Drax Power Station is accessed from New Road which connects to the A645. The River Ouse is 1.5km to the north east, there is an industrial site immediately adjacent to Drax Power Station to the south west, and the Drax Skylark Centre and Nature Reserve are adjacent to the north west of the power station.

The Site refers to the land within which the Proposed Scheme would be located which are bounded by the Order Limits. The Order Limits are shown on Figure 1.1 (Order Limits) of the ES (document reference 6.2.1.1) and this refers to the outer perimeter of the Site, including the maximum extent of all potential permanent and temporary works required as part of the Proposed Scheme.

The Site is approximately 125ha and is split into the following parcels, which are shown on the Works Plans (document reference 2.3):

- Drax Power Station Site – the land occupied by the Drax Power Station;
- East Construction Laydown Area – area required during the construction phase of the Proposed Scheme for temporary works situated to the east of the Drax Power Station, across New Road. (N.B. There are several parcels of land within the Drax Power Station Site which would be used for construction laydown. These areas have been termed ‘Drax Power Station Site Construction Laydown Areas’;
- Habitat Provision Area – the land within the Order Limits that may be used for environmental mitigation for the Proposed Scheme. This parcel is located to the north and north east of the Drax Power Station; and
- Surrounding road network.

In addition, land which sits outside of the Order Limits (and not within the Site), to the west of the Site, forms part of the Proposed Scheme and the boundary of this area is shown on Figure 1.3 (Off-Site Habitat Provision Area) (document reference 6.2.1.3).The provision of these works will be secured via a development consent obligation under section 106 (see Heads of Terms for this section 106 agreement, (document reference 7.1).

The Proposed Scheme lies within the administrative boundaries of Selby District Council and North Yorkshire Council.

Is the site a single site or a linear site?

- ☒ Single site ☐ Linear site

Grid reference

Easting	<input type="text" value="466376"/>
Northing	<input type="text" value="427834"/>
Document reference	<input type="text" value="2.1 Site Location Plan"/>
Document reference	<input type="text" value="2.2 Land Plans"/>
	<input type="button" value="Remove this reference"/>
Document reference	<input type="text" value="2.3 Works Plans"/>
	<input type="button" value="Remove this reference"/>

Continued from previous page...

Document reference

2.4 Access and Rights of Way Plans

Remove this reference

Add another reference

7. Associated Development



Associated Development is included within this application:

☒ Yes

☐ No

Document reference

3.2 Explanatory Memorandum

Add another reference

8. a) Consultation Report



Document reference

5.1 Consultation Report Main Report

Document reference

5.1.1 Consultation Report Appendix A
Consultation Engagement Overview

Remove this reference

Document reference

5.1.2 Consultation Report Appendix B Reg
8 Letter and Acknowledgement (S46)

Remove this reference

Document reference

5.1.3 Consultation Report Appendix C
SoCC and Supporting Information

Remove this reference

Document reference

5.1.4 Consultation Report Appendix D List
of Prescribed Consultees Identified and
Consulted

Remove this reference

Document reference

5.1.5 Consultation Report Appendix E
Section 42 Notification and Statutory
Responses

Remove this reference

Document reference

5.1.6 Consultation Report Appendix F
Letters to Additional Consultees

Remove this reference

Continued from previous page...

Document reference

5.1.7 Consultation Report Appendix G
Section 47 Consultation Material

Remove this reference

Document reference

5.1.8 Consultation Report Appendix H
Section 47 and Section 48 Newspaper
Notices

Remove this reference

Document reference

5.1.9 Consultation Report Appendix I
Preliminary Environmental Information
Report

Remove this reference

Document reference

5.1.10 Consultation Report Appendix J
Non-Statutory Consultation Report

Remove this reference

Document reference

5.1.11 Consultation Report Appendix K
Land Referencing Methodology

Remove this reference

Document reference

5.1.12 Consultation Report Appendix L
Undelivered Correspondence

Remove this reference

Document reference

5.1.13 Consultation Report Appendix M
Additional Consultation April 2022

Remove this reference

Add another reference

8. b) Copies of newspaper notices



Document reference

5.1.8 Consultation Report Appendix H
Section 47 and Section 48 Newspaper
Notices

Add another reference

9. Draft Development Consent Order



Document reference

3.1 Draft Development Consent Order

Add another reference

Continued from previous page...

10. Explanatory Memorandum



Document reference 3.2 Explanatory Memorandum

Add another reference

11. Land Plan



Document reference 2.2 Land Plans

Add another reference

12. Works Plan



Document reference 2.3 Works Plans

Add another reference

13. Compulsory Acquisition of land or an interest in land or right over land



Issues are relevant for this application:

☒ Yes ☐ No

Statement of reasons document reference 4.1 Statement of Reasons

Add another reference

Funding statement document reference 4.2 Funding Statement

Add another reference

Book of Reference document reference 4.3 Book of Reference

Add another reference

14. a) Environmental Impact Assessment (EIA)



Environmental Statement (ES) required:

☒ Yes ☐ No

ES Document Reference 6.1 Environmental Statement Volume 1 Main Text

ES Document Reference 6.2 Environmental Statement Volume 2 Figures

Remove this reference

Continued from previous page...

ES Document Reference

6.3 Environmental Statement Volume 3
Appendices

Remove this reference

ES Document Reference

6.4 Environmental Statement Volume 4
Non-Technical Summary

Remove this reference

Add another reference

14. b) Screening Opinion/ Direction and Scoping Opinion/ Direction



Screening Opinion sought, or direction received:

☐ Yes ☒ No

Scoping Opinion sought:

☒ Yes ☐ No

Document reference

6.3.1.1 ES Vol 3 Chapter 1 Introduction
Appendix 1.1 EIA Scoping Report

Document reference

6.3.4.2 ES Vol 3 Chapter 4 EIA
Methodology - Appendix 4.2 Scoping
Opinion Responses

Remove this reference

Document reference

6.3.1.2 ES Vol 3 Appendix 1.2 EIA
Scoping Opinion

Remove this reference

Add another reference

14. c) Publicity required under Regulation 13 of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (or where the transitional provisions apply, Regulation 11 of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009)



In addition to publishing the notice, a copy of the notice was sent to:

the consultation bodies

☒ Yes

the persons notified to the Applicant in accordance with Regulation 11(1)(c) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (or where the transitional provisions apply, Regulation 9(1)(c) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009):

☐ Yes ☒ No, not applicable

Continued from previous page...



15. European sites (to which Regulation 63 of The Conservation of Habitats and Species Regulations 2017 and/ or Regulation 28 of the Conservation of Offshore Marine Habitats and Species Regulations 2017 applies) or a Ramsar site.

Report required for this application:

☒ Yes ☐ No

Document reference

6.8.1 Habitat Regulations Assessment
Report Volume 1 Main Text

Document reference

6.8.2.1 - 6.8.2.3 Habitat Regulations
Assessment Report Volume 2 Figures

Remove this reference

Document reference

6.8.3.1 - 6.8.3.4 Habitat Regulations
Assessment Report Volume 3 Appendices

Remove this reference

Add another reference

16. A plan, with accompanying information, identifying any statutory or non statutory sites or features of nature conservation, geological or landscape importance; habitats of protected species, important habitats or other diversity features; and water bodies in a River Basin Management Plan - together with an assessment of any effects likely to be caused by the Proposed Development.



Issues are relevant for this application:

☒ Yes ☐ No

Document reference

6.1.8 ES Vol 1 Chapter 8 Ecology

Document reference

6.1.9 ES Vol 1 Chapter 9 Landscape and
Visual Amenity

Remove this reference

Document reference

6.1.11 ES Vol 1 Chapter 11 Ground
Conditions

Remove this reference

Document reference

6.1.12 ES Vol 1 Chapter 12 Water
Environment

Remove this reference

Continued from previous page...

Document reference

6.2.2.1 ES Vol 2 Chapter 2 Site and
Project Description Figure 2.1
Environmental Constraints

Remove this reference

Document reference

6.2.8.1 ES Vol 2 Chapter 8 Ecology Figure
8.1 Statutory Designated Sites

Remove this reference

Document reference

6.2.8.2 ES Vol 2 Chapter 8 Ecology Figure
8.2 Non-Statutory Designated Sites and
Priority Habitats

Remove this reference

Document reference

6.2.8.3 - ES Vol 2 - Chapter 8 Ecology
Figure 8.3 Phase 1 Habitats

Remove this reference

Document reference

6.2.8.4 ES Vol 2 Chapter 8 Ecology Figure
8.4 Great Crested New Waterbodies

Remove this reference

Document reference

6.2.9.7 ES Vol 2 Chapter 9 Landscape
and Visual Figure 9.7 Landscape
Designations

Remove this reference

Document reference

6.2.9.1 ES Vol 2 Chapter 9 Landscape
and Visual Figure 9.1 Landscape
Character

Remove this reference

Document reference

6.2.12.1 ES Vol 2 Figure 12.1 Water
Constraints Part 1

Remove this reference

Document reference

6.1.12.2 ES Vol 2 Figure 12.2 Water
Constraints Part 2

Remove this reference

Continued from previous page...

Document reference

6.1.12.3 ES Vol 2 Figure 12.2 Water Constraints Part 3

Remove this reference

Add another reference

17. A plan, with accompanying information, identifying any statutory or non statutory sites or features of the historic environment such as scheduled monuments, World Heritage sites, listed buildings and other historic structures, archaeological sites and registered battlefields, together with an assessment of any effects likely to be caused by the Proposed Development



Issues are relevant for this application:

☒ Yes

☐ No

Document reference

6.1.10 ES Vol 1 Chapter 10 Heritage

Document reference

6.2.10.1 ES Vol 2 Chapter 10 Heritage Figure 10.1 Designated Heritage Assets

Remove this reference

Document reference

6.2.10.2 ES Vol 2 Chapter 10 Heritage Figure 10.2 Non-Designated Heritage Assets

Remove this reference

Add another reference

18. Flood Risk Assessment



Flood Risk Assessment required:

☒ Yes

☐ No

Document reference

6.3.12.1 ES Vol 3 Chapter 12 Water Environment Appendix 12.1 Flood Risk Assessment

Add another reference

19. Matters set out in section 79(1) (statutory nuisances etc) of the Environmental Protection Act 1990



Statement required for this application:

☒ Yes

☐ No

Document reference

5.4 Statutory Nuisance Statement

Add another reference

Continued from previous page...

20. A plan with any accompanying information identifying any Crown land



Issues are relevant for this application:

☐ Yes ☒ No

21. A plan identifying new or altered means of access, stopping up of streets or any diversions, extinguishments or creation or rights of way or public rights of navigation



Issues are relevant for this application:

☒ Yes ☐ No

Document reference

[Add another reference](#)

22. Additional information for specific types of infrastructure



Additional information is required to be submitted in accordance with Regulation 6 of The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009:

☒ Yes ☐ No

Provide a brief description

5.6 - Grid Connection Statement submitted under Regulation 5(2)(p) and 6(1)(a)(i) of the Infrastructure Planning (Applications: Forms and Procedures) Regulations 2009.

Document reference

[Add another reference](#)

Regulation 6 of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 requires additional information to be submitted with the following types of development.

Please check any of the following boxes that apply:

- ☒ Construction or extension of a non offshore generating station (Reg. 6 (1a))
- ☐ Construction or extension of an offshore generating station (Reg. 6 (1b))
- ☐ Highway related development (Reg. 6 (2) (part 1))
- ☐ Construction or alteration of a railway (Reg. 6 (2) (part 2))
- ☐ Construction or alteration of harbour facilities (Reg. 6 (3))
- ☐ Construction of a pipeline (Reg. 6 (4))
- ☐ Construction or alteration of a hazardous waste facility (Reg. 6 (5))
- ☐ Construction of a dam or reservoir (Reg. 6 (6))

Construction or extension of a non offshore generating station (Reg. 6 (1a))

Provide a statement of who will be responsible for designing and building the connection to the electricity grid

Continued from previous page...

This is set out in 5.6 - Grid Connection Statement.

Is it a gas fuelled generating station?

☐ Yes ☒ No

23. Any other plans, drawings and sections necessary to describe the proposal for which development consent is sought, and any other documents, reports or information to support the application



Provide a brief description of any other plans, drawings and sections that are being submitted with this application

- 2.1 - Site Location Plan
- 2.2 - Land Plans
- 2.3 - Works Plans
- 2.4 - Access and Rights of Way Plans
- 2.5 - Indicative Plans and Elevations

Document reference	2.1 Site Location Plan
Document reference	2.2 Land Plans
	Remove this reference
Document reference	2.3 Works Plans
	Remove this reference
Document reference	2.4 Access and Rights of Way Plans
	Remove this reference
Document reference	2.5 Indicative Plans and Elevations
	Remove this reference
	Add another reference

Provide a brief description of any other documents considered necessary to support the application

Continued from previous page...

- 1.1 - Cover Letter
- 1.2 - Application Form
- 1.3 - Application Guide
- 1.4 - Application Document Tracker
- 1.5 - Electronic Application Index
- 1.6 - Section 55 Checklist
- 1.7 - Glossary
- 3.1 - Draft Development Consent Order
- 3.2 - Explanatory Memorandum
- 4.1 - Statement of Reasons
- 4.2 - Funding Statement
- 4.3 - Book of Reference
- 5.1 - Consultation Report
- 5.2 - Planning Statement
- 5.3 - Needs and Benefits Statement
- 5.4 - Statutory Nuisance Statement
- 5.5 - Other Consents and Licenses
- 5.6 - Grid Connection Statement
- 6.1 - Environmental Statement - Volume 1 - Main Text
- 6.2 - Environmental Statement - Volume 2 - Figures
- 6.3 - Environmental Statement - Volume 3 - Appendices
- 6.4 - Environmental Statement - Volume - Non-Technical Summary
- 6.5 - Register of Environmental Actions and Commitments
- 6.6 - Outline Landscape and Biodiversity Strategy
- 6.7 - Draft Lighting Strategy
- 6.8 - Habitats Regulation Assessment Report
- 6.9 - Design Framework Document
- 6.10 Biodiversity Net Gain Assessment
- 7.1 - Heads of Terms for Section 106 Agreement
- 7.2 - 3D Model Flyover Video

Document reference	<div>1.1 Cover Letter</div> <div>Remove this reference</div>
Document reference	<div>1.2 Application Form</div> <div>Remove this reference</div>
Document reference	<div>1.3 Application Guide</div> <div>Remove this reference</div>
Document reference	<div>1.4 Application Document Tracker</div> <div>Remove this reference</div>
Document reference	<div>1.5 Electronic Application Index</div> <div>Remove this reference</div>

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Document reference

1.6 Section 55 Checklist

Remove this reference

Document reference

1.7 Glossary

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Document reference

3.1 Draft Development Consent Order

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Document reference

3.2 Explanatory Memorandum

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Document reference

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Document reference

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Document reference

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Document reference

5.4 Statutory Nuisance Statement

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Document reference

5.5 Other Consents and Licenses

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Document reference

5.6 Grid Connection Statement

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Document reference

6.1 Environmental Statement Volume 1
Main Text

Remove this reference

Document reference

6.2 Environmental Statement Volume 2
Figures

Remove this reference

Document reference

6.3 Environmental Statement Volume 3
Appendices

Remove this reference

Document reference

6.4 Environmental Statement Volume 4 -
Non-Technical Summary

Remove this reference

Document reference

6.5 Register of Environmental Actions and
Commitments

Remove this reference

Document reference

6.6 Outline Landscape and Biodiversity
Strategy

Remove this reference

Document reference

6.7 Draft Lighting Strategy

Remove this reference

Document reference

6.8 Habitat Regulations Assessment
Report

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Document reference

6.9 Design Framework Document

Remove this reference

Document reference

6.10 Biodiversity Net Gain Assessment

Remove this reference

Continued from previous page...

Document reference

7.1 Draft Heads of Terms for Section 106 Agreement

Remove this reference

Add another reference

Provide a brief description of any other information provided that is in support of the application, but which has not been explicitly required

A 3D Model Flyover Video has been prepared to assist the consideration of the Proposed Scheme in the context of the Drax Power Station site and this is provided in document reference 7.2

Document reference

7.2 3D Model Flyover Video

Add another reference

24. Other consents/ licences required under other legislation



Other consents/ licences are required:

☒ Yes ☐ No

Provide a list of consents/licences

These are set out in document reference 5.5 - Other Consents and Licenses.

You must cite the document references as appropriate

Document reference

5.5 Other Consents and Licenses

Add another reference

25. Declaration



I declare to the best of my knowledge that the information given in this form and enclosed maps, plans and other documents are true.

Please note there is a requirement for one hard copy of the form to be signed. Please ensure that when you submit you include at least one signed copy. Further copies do not require the hand written signature.

Signature

(For and on behalf of the Applicant)

Name

LARA PETER

(In block letters)

Date

23 / 05 / 2022
dd mm yyyy

Continued from previous page...

Organisation	<div>WSP</div>
Position within the organisation	<div>Associate Director – Infrastructure Planning</div>

In order to complete this form, it must be checked to ensure all information has been entered correctly. Click the following button to check the form.

Check the Form