



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

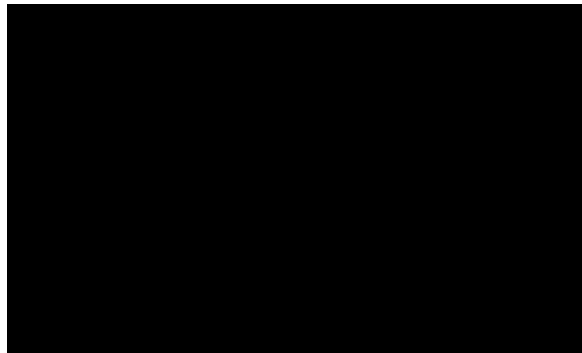
1. Applicant



* Organisation

Address

* Building number or name
* Street
* City or town
County or administrative area
* Postcode



* Country

* Name of contact

* Telephone number

Fax number

* Email

2. Agent



* Are you an agent acting on behalf of the Applicant?

Yes No

* Organisation

Continued from previous page...

Address

* Building number or name

* Street

* City or town

County or administrative area

* Postcode

* Country

United Kingdom

* Name of contact

Geoff Bullock

* Telephone number

Fax number

n/a

* Email

@dwd-ltd.co.uk

3. Fee

* State the arrangement for the application fee payment:

BACS CHAPS Cheque

* Please provide payment reference details

EN070009 - paid 05.03.24

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

Development consent is required for the Proposed Development as it is the subject of a Direction dated 22 December 2022 made by the Secretary of State (SoS) under Sections 35(1) and 35ZA of the Planning Act 2008 (PA 2008).

5. Non-technical description of the Proposed Development

* Brief non-technical description of the Proposed Development

The Proposed Development comprises the following elements:

- Work Number ('No.') 1 – a Hydrogen Production Facility of up to approximately 1.2 gigawatts thermal lower heating value, including two carbon capture enabled hydrogen units each of 600 megawatts thermal, including a water and effluent treatment plant; above ground hydrogen storage; administration, control room and stores; gas and power connections, above ground installations and ancillary works.
- Work No. 2 – a natural gas supply connection for the transport of natural gas to Work No. 1.
- Work No. 3 – electrical connection works for the import of electricity from the electricity transmission network to Work No. 1.
- Work No. 4 – water supply connection works to provide cooling and make-up water to Work No. 1.

Continued from previous page...

- Work No. 5 – wastewater disposal works in connection with Work No. 1.
- Work No. 6 – a hydrogen distribution network (the 'Hydrogen Pipeline Corridor'), for the transport of hydrogen gas from Work No. 1, comprising underground and overground pipelines to supply hydrogen to the above ground storage and offtakers across Teesside. The hydrogen pipelines will run up to tie-in points with the relevant offtaker (likely to be, but not necessarily having to be) at the offtakers' site boundaries. Any works beyond this tie-in point will be progressed separately by the relevant offtaker.
- Work No. 7 – a high pressure carbon dioxide export pipeline for the export of the captured CO₂ from Work No. 1 to the adjacent Northern Endurance Partnership (NEP) infrastructure (on the adjacent Net Zero Teesside Project site).
- Work No. 8 – gas connections being works for the transport of oxygen and nitrogen to Work No.1.
- Work No. 9 – temporary construction and laydown areas and contractor compounds.
- Work No. 10 – access and highways improvement works.
- Work No. 11 – replacement land relating to Work No. 6.

There will also be further development works associated with the above elements of the Proposed Development.

It is envisaged that the Hydrogen Production Facility will be constructed in two phases.

A description of the Proposed Development is provided in Chapter 4 'Proposed Development' of the Environmental Statement (Document Ref. 6.2) and at Schedule 1 of the draft DCO (Document Ref. 4.1). The ancillary and further development required in connection with and subsidiary to the above elements of the Proposed Development is also detailed at Schedule 1 of the draft DCO.

6. Location or route of the Proposed Development



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

The Proposed Development Site (the 'Site') lies within the administrative boundaries of the boroughs of Redcar and Cleveland south of the River Tees and Stockton-on-Tees north of the Tees on Teesside and within the borough of Hartlepool in County Durham also north of the Tees. The Site extends to a total area of approximately 507 hectares.

The Hydrogen Production Facility and its ancillary development, including its carbon capture and compression facilities, will be located on part of the Foundry, which forms part of Teesworks, within the borough of Redcar and Cleveland. Teesworks is a major brownfield industrial site and Freeport, part of which was formerly occupied by the Redcar Steel Works.

The Hydrogen Production Facility (also referred to as the 'Main Site') will be located on part of the Foundry adjacent to the Northern Endurance Partnership (NEP) infrastructure. The CO₂ captured from the hydrogen production processes will be transported by pipeline to the NEP infrastructure for onward transport and storage within the Endurance storage site. The Main Site extends to 89 hectares.

The natural gas, electrical and water connections will be located to the east and south-east of the Main Site within the borough of Redcar and Cleveland. The hydrogen distribution network will extend either side of the River Tees to several potential industrial offtakers, including north of the Tees into the boroughs of Stockton-on-Tees and Hartlepool.

A more detailed description of the Site and its surroundings is provided at Chapter 3 'Description of the Existing Area' in the ES Volume I (Document Ref. 6.2).

Continued from previous page...

The location of the Site is shown on the Location Plan (Document Ref. 2.1) and the land encompassed within its boundary is shown on the Land Plans (Document Ref. 2.2). The location and extent of the different Works Nos. (the Works Nos. are listed at Schedule 1 of the draft DCO - Document Ref. 4.1) is shown on the Works Plans (Document Ref. 2.4).

* Is the site a single site or a linear site?

- Single site Linear site

Grid reference

* Easting

* Northing

* Document reference

* Document reference

* Document reference

* Document reference

* Document reference

7. Associated Development



* Associated Development is included within this application:

- Yes No

* Document reference

* Document reference

Continued from previous page...

* Document reference

8. a) Consultation Report



* Document reference

8. b) Copies of newspaper notices



* Document reference

* Document reference

9. Draft Development Consent Order



* Document reference

10. Explanatory Memorandum



* Document reference

11. Land Plan



* Document reference

12. Works Plan



* Document reference

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



Continued from previous page...

* Issues are relevant for this application:

- Yes No

Statement of reasons document reference

Funding statement document reference

Book of Reference document reference

Book of Reference document reference

14. a) Environmental Impact Assessment (EIA)



* Environmental Statement (ES) required:

- Yes No

* ES Document Reference

* ES Document Reference

* ES Document Reference

* ES Document Reference

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



Continued from previous page...

* Screening Opinion sought, or direction received:

- Yes No

* Scoping Opinion sought:

- Yes No

Document reference

6.4.2 - ES Volume III - Appendix 1B:
Scoping Opinion

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

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

5.10A and 5.10 - Report to inform
Habitats Regulations Assessment
(Confidential and redacted versions)

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

Continued from previous page...

* Document reference ES Volume I, Chapter 9: Surface Water, Flood Risk and Water Resources (Document Ref 6.2.9)

* Document reference ES Volume I, Chapter 10: Geology, Hydrogeology and Contaminated Land (Document Ref 6.2.10)

Remove this reference

* Document reference ES Volume I, Chapter 12: Ecology and Nature Conservation (including aquatic ecology) (Document Ref 6.2.12)

Remove this reference

* Document reference ES Volume I, Chapter 13: Ornithology Confidential and Redacted versions (Document Ref 6.2.13A and 6.2.13)

Remove this reference

* Document reference ES Volume I, Chapter 14: Marine Ecology (Document Ref 6.2.14)

Remove this reference

* Document reference ES Volume I, Chapter 16: Landscape and Visual Amenity (Document Ref 6.2.16)

Remove this reference

* Document reference ES Volume II, Figure 3-1: Environmental Constraints within 1 km of the Proposed Development Site Boundary (Document Ref 6.3.2)

Remove this reference

* Document reference ES Volume II, Figure 3-2: Water Constraints within 5 km of the Proposed Development Site Boundary (Document Ref 6.3.3)

Remove this reference

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* Document reference

ES Volume II, Figure 3-3: Non-Statutory Ecological Constraints within 1 km of the Proposed Development Site Boundary (Document Ref 6.3.4)

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* Document reference

ES Volume II, Figure 3-4: Statutory Designated Ecological Sites within 15 km of the Proposed Development Site Boundary (Document Ref 6.3.5)

Remove this reference

* Document reference

ES Volume II, Figure 9-1: Surface Water Features and their Attributes (Document Ref 6.3.27)

Remove this reference

* Document reference

ES Volume II, Figure 9-4: Surface Water Flood Risk (Document Ref 6.3.30)

Remove this reference

* Document reference

ES Volume II, Figure 12-1: Statutory Designated Sites within 15 km (Document Ref 6.3.66)

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* Document reference

ES Volume II, Figure 12-2: Non-statutory designated sites within 2 km (Document Ref 6.3.67)

Remove this reference

* Document reference

ES Volume II, Figure 12-3: Potential Habitats of Principal Importance within 2 km (Document Ref 6.3.68)

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* Document reference

ES Volume II, Figure 12-4: Phase 1 Habitat Survey Results (Document Ref 6.3.69)

Remove this reference

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* Document reference

ES Volume II, Figure 13-3: Net Zero Teesside Breeding Bird Survey Areas (Document Ref 6.3.72)

Remove this reference

* Document reference

ES Volume II, Figure 13-4: Statutory Designated Sites with Ornithological Features (Document Ref 6.3.73)

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* Document reference

ES Volume II, Figure 13-5: Non-Statutory Designated Sites with Ornithological Features (Document Ref 6.3.74)

Remove this reference

* Document reference

ES Volume II, Figure 14-2: Designated Sites with Marine Ecological Features (Document Ref 6.3.76)

Remove this reference

* Document reference

ES Volume II, Figure 14-3: Teesside Offshore Wind Farm and Net Zero Teesside EUNIS Subtidal Benthic EUNIS Biotope and Sediment Class (Document Ref 6.3.77)

Remove this reference

* Document reference

ES Volume II, Figure 14-4: Important Intertidal and Subtidal Habitats Benthic Habitats (Document Ref 6.3.78)

Remove this reference

* Document reference

ES Volume II, Figure 14-5: Mean percentage of at-sea population of harbour seals from haulouts in the British Isles (Document Ref 6.3.79)

Remove this reference

* Document reference

ES Volume II, Figure 14-6: Mean percentage of at-sea population of grey seals from haulouts in the British Isles (Document Ref 6.3.80)

Remove this reference

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* Document reference

ES Volume II, Figure 16-1: Landscape Context (Document Ref 6.3.86)

Remove this reference

* Document reference

ES Volume II, Figure 16-2: Landscape Character (Document Ref 6.3.87)

Remove this reference

* Document reference

ES Vol III, Appendix 12B: GCN Survey Report (Document Ref 6.4.19)

Remove this reference

* Document reference

ES Vol III, Appendix 12C: Bat Survey Report (Document Ref 6.4.20)

Remove this reference

* Document reference

ES Vol III, Appendix 12D: Reptile Survey Report (Document Ref 6.4.21)

Remove this reference

* Document reference

ES Vol III, Appendix 12E: Invertebrate Survey Report (Document Ref 6.4.22)

Remove this reference

* Document reference

ES Vol III, Appendix 12F: Water vole and Otter Survey Report (Document Ref 6.4.23)

Remove this reference

* Document reference

ES Vol III, Appendix 12G: Aquatic Ecology Survey Report (Document Ref 6.4.24)

Remove this reference

Continued from previous page...

* Document reference

ES Vol III, Appendix 13A and 13B:
Ornithology Baseline Report Confidential
and redacted versions (Document Refs
6.4.25A and 6.4.25)

Remove this reference

* Document reference

ES Vol III, Appendix 16B: Landscape
Character (Document Ref 6.4.28)

Remove this reference

* Document reference

ES Volume II, Figure 9-2: Groundwater
Features and their Attributes

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* Document reference

ES Volume II, Figure 9-3: Fluvial Flood
Risk

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* Document reference

ES Volume II, Figure 10-1: Artificial
Geology

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* Document reference

ES Volume II, Figure 10-2: Superficial
Geology

Remove this reference

* Document reference

ES Volume II, Figure 10-3: Bedrock
Geology

Remove this reference

* Document reference

ES Volume II, Figure 10-10: Ecological
Designations

Remove this reference

* Document reference

ES Volume II, Figure 16-1: Landscape
Context

Remove this reference

Add another reference

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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

* Document reference

* Document reference

* Document reference

* Document reference

* Document reference

18. Flood Risk Assessment



* Flood Risk Assessment required:

Yes No

* Document reference

Continued from previous page...

* Document reference

* Document reference

* Document 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

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



* Issues are relevant for this application:

Yes No

* Document reference

* Document reference

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

Continued from previous page...

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

5.5 - Pipelines Statement complying with APFP Regulations 5(2)(p) and 6(4)

* Document reference

5.5 - Pipelines Statement

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 of a pipeline (Reg. 6 (4))

Enter details of the name of the proposed pipeline

* Name	Please refer to Document Reference 5.5 - Pipelines Statement
* Owner	Please refer to Document Reference 5.5 - Pipelines Statement
* Start point	Please refer to Document Reference 5.5 - Pipelines Statement
* End point	Please refer to Document Reference 5.5 - Pipelines Statement
* Length (in kilometres)	Please refer to Document Reference 5.5 - Pipelines Statement

Continued from previous page...

* External diameter (in mm)

* What will be conveyed by the proposed pipeline

* State whether the grant of any rights in land or consents to road or river crossing works are required:

Yes No

* Provide details of whether they can be obtained by agreement

The Applicant is in negotiations with affected landowners to acquire the necessary rights for the pipelines by agreement. However compulsory acquisition powers are sought in the draft DCO (Document Ref. 4.1), including the power to acquire rights, to ensure that the delivery of the Proposed Development can be secured. Further details are provided in the Statement of Reasons (Document Ref. 3.2). Works within streets and river crossings are authorised by powers in the draft DCO, and details of consents required are set out in Other Consents and Licences Statement (Document Ref. 5.7).

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

Location Plan (Key Plan and Sheets 1-11) (Document Ref. 2.1)
Indicative Hydrogen Production Facility and Above Ground Installations Plan (Document Ref. 2.6)
Indicative Natural Gas Connection and Above Ground Installations Plans (Key Plan and Sheets 1-3) (Document Ref. 2.7)
Indicative Electrical Connection Plan (Document Ref. 2.8)
Indicative Water Connections Plan (Document Ref. 2.9)
Indicative Hydrogen Distribution Network Plans (Key Plan and Sheets (1-16) (Document Ref. 2.10)
Indicative CO2 Export Pipeline Plan (Document Ref. 2.11)
Indicative Surface Water Drainage Plan (Document Ref. 2.12)
Temporary Traffic Regulation Measures Plan (Key Plan and Sheets (1-6) (Document Ref. 2.13)
H2Teesside and NZT Main Site Shared Area Plan (Document Ref. 2.14)
Important Hedgerows to be Removed Plan (Document Ref. 2.15)
Indicative Industrial Gases Connection Plans (Key Plan and Sheets 1-2) (Document Ref. 2.16)

Document reference

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Indicative Electrical Connection Plan
(Document Ref. 2.8)

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Document reference

Indicative Water Connections Plan
(Document Ref. 2.9)

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Document reference

Indicative Hydrogen Distribution Network
Plans (Key Plan and Sheets (1-16))
(Document Ref. 2.10)

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Document reference

Indicative CO2 Export Pipeline Plan
(Document Ref. 2.11)

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Document reference

Indicative Surface Water Drainage Plan
(Document Ref. 2.12)

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Document reference

Temporary Traffic Regulation Measures
Plan (Key Plan and Sheets (1-6))
(Document Ref. 2.13)

Remove this reference

Document reference

H2Teesside and NZT Main Site Shared
Area Plan (Document Ref. 2.14)

Remove this reference

Document reference

Important Hedgerows to be Removed Plan
(Document Ref. 2.15)

Remove this reference

Document reference

Indicative Industrial Gases Connection
Plans (Key Plan and Sheets 1-2)
(Document Ref. 2.16)

Remove this reference

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Add another reference

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

Cover Letter (Document Ref 1.1)
Application Guide (Document Ref 1.2)
Application Form (Document Ref 1.3)
Notices for Non-Statutory & Statutory Publicity (Document Ref 1.4)
Section 55 Checklist (Document Ref 1.5)
Applicant's Response to PINS Comments on Draft Application Documents (Document Ref 1.6)
Schedule of Negotiations and Powers Sought (Document Ref 3.4)
Statutory Instrument Validation Statement (Document Ref 4.3)
Planning Statement (Document Ref 5.2)
Planning Statement – Planning Policy Assessment Tables (Document Ref 5.2.1)
Need Statement (Document Ref 5.3)
Design and Access Statement (Document Ref 5.4)
Other Consents and Licences Statement (Document Ref 5.7)
Indicative Lighting Strategy (Operation) (Document Ref 5.8)
Outline Landscape and Biodiversity Management Plan (Document Ref 5.9)
Schedule of Operational Mitigation and Monitoring (Document Ref 5.11)
Framework Construction Environmental Management Plan and Appendices A to C (Document Refs 5.12 to 5.12.3)
Nutrient Neutrality Assessment (Document Ref 5.13)
Water Framework Directive Assessment (Document Ref 5.14)
Framework Construction Workers Travel Plan (Document Ref 5.15)
Framework Construction Traffic Management Plan (Document Ref 5.16)

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Document reference

Schedule of Negotiations and Powers Sought (Document Ref 3.4)

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Document reference

Statutory Instrument Validation Statement (Document Ref 4.3)

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Document reference

Planning Statement (Document Ref 5.2)

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Document reference

Planning Statement – Planning Policy Assessment Tables (Document Ref 5.2.1)

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Document reference

Need Statement (Document Ref 5.3)

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Design and Access Statement (Document Ref 5.4)

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Other Consents and Licences Statement (Document Ref 5.7)

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Document reference

Schedule of Operational Mitigation and Monitoring (Document Ref 5.11)

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Document reference

Framework Construction Environmental Management Plan and Appendices A to C (Document Refs 5.12 to 5.12.3)

Remove this reference

Document reference

Nutrient Neutrality Assessment (Document Ref 5.13)

Remove this reference

Document reference

Framework Construction Workers Travel Plan (Document Ref 5.15)

Remove this reference

Document reference

Framework Construction Traffic Management Plan (Document Ref 5.16)

Remove this reference

Document reference

Water Framework Directive Assessment (Document Ref. 5.14)

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

The Application Guide (Document Ref. 1.2) provides background information on the Proposed Development and lists the Application Documents.

Document reference

Application Guide (Document Ref 1.2)

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 5.7 - Other Consents and Licences Statement

You must cite the document references as appropriate

Continued from previous page...

* Document 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. Documents do not require the hand written signature.

Signature

(For and on behalf of the Applicant)

* Name

(In block letters)

* Date / /
dd mm yyyy

* Organisation

* Position within the organisation