

The Lighthouse Green Fuels Order

Application Reference: EN0110025

Applicant: LGF Projects Limited

Application Guide

Document Reference: 1.3

Revision: 00

Planning Act 2008
APFP Reg. 5(2)(q)



Document Information

Author	DWD
Document Title	Application Guide
Document Ref	1.3

Revision record

00	Purpose	DCO Application Submission
	Date	September 2026

Information Classification

Information Classification	Date	Reason
Public	September 2026	Proprietary information which will have no impact on the company if disclosed publicly

Contents	0
Glossary	3
1 Introduction	4
1.1 Overview	4
1.2 The Applicant	4
1.3 Overview of the Proposed Development	4
1.4 The Site	7
1.5 The DCO Process	7
1.6 The Purpose and Structure of this Document	9
1.7 Application Documents	10
2 Application documents	11
References	35
.....	36

Tables

Table 1.1	Works Description Summaries	5
Table 2.1	List of Application Documents	11

Glossary

Acronym	In Full / Term
APFP Regulations	The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009
ASU	Air Separation Unit
CHP	Combined Heat and Power
CO ₂	Carbon dioxide
DCO	Development Consent Order
EIA Regulations	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017
ES	Environmental Statement
km	kilometre
LGF	Lighthouse Green Fuels
MW	Megawatts
MWe	Megawatts electrical
PA 2008	Planning Act 2008
PINS	Planning Inspectorate
RCBC	Redcar and Cleveland Borough Council
SAF	Sustainable Aviation Fuel
SoS	Secretary of State
STBC	Stockton-on-Tees Borough Council

1 Introduction

1.1 Overview

- 1.1.1 This **Application Guide (Application Document Ref. 1.3)** has been prepared by DWD on behalf of LGF Projects Limited (the Applicant), to support an application (the Application) seeking development consent for the construction, operation, maintenance and decommissioning of the Lighthouse Green Fuels (LGF) project (the Proposed Development) on land within the administrative boundaries of Stockton-on-Tees Borough Council (STBC) and Redcar and Cleveland Borough Council (RCBC).
- 1.1.2 The Order limits for the Proposed Development are made up of the Main Site and Wider Site, together 'the Site'. A more detailed description of the Site is set out at Section 1.4.
- 1.1.3 The Application has been submitted to the Planning Inspectorate (PINS), and the decision whether to grant a Development Consent Order (DCO) will be made by the Secretary of State (SoS) for Energy Security and Net Zero pursuant to the Planning Act 2008 (the PA 2008) [Ref 1].
- 1.1.4 The Proposed Development comprises a commercial-scale second generation Sustainable Aviation Fuel (SAF) production facility and associated infrastructure.

1.2 The Applicant

- 1.2.1 The Applicant is wholly owned by Alfanar Energy Limited (Alfanar). Alfanar is part of a global project development, manufacturing, and engineering group headquartered in Saudi Arabia. Alfanar has developed significant in-house feedstock-to-SAF expertise. This experience will be utilised to construct and operate the Proposed Development.

1.3 Overview of the Proposed Development

- 1.3.1 The Proposed Development is anticipated to be the UK's first commercial-scale second generation SAF production facility.
- 1.3.2 The Proposed Development includes the construction, operation, maintenance and decommissioning of a commercial-scale facility that will produce approximately 180 million litres of advanced SAF and approximately 30 million litres of renewable naphtha each year.
- 1.3.3 The Proposed Development includes the following elements (the location of each Work No. is shown on the **Works Plans (Application Document Ref 2.4)**):

Table 1.1 Works Description Summaries

Work Number:	
Work No. 1	SAF production facility comprising: 1A - feedstock pre-treatment facility including flue gas treatment and stack 1B - SAF processing facility including thermal oxidiser, flue gas treatment, and stack 1C - up to two flare structures
Work No. 2	Combined heat and power (CHP) generating station comprising: 2A - boilers and steam turbine generators 2B - flue gas treatment and stack
Work No. 3	Feedstock and intermediate and final product handling and storage
Work No. 4	Cooling infrastructure for SAF production facility and CHP plant
Work No. 5	Bridge and culvert crossings of existing infrastructure
Work No. 6	Marine infrastructure comprising: 6A - construction of permanent quay 6B - permanent quay 6C - capital and maintenance dredging
Work No. 7	Electrical connection works comprising: 7A - underground and overground cable connections to the existing North Bank Supply Point 7B - electrical connection works
Work No. 8	Modified or new natural gas connection and above ground infrastructure (AGI)
Work No. 9	Supply of industrial gases: Only one of Work No. 9A or Work No. 9B would be developed; 9A - industrial gases connection works comprising installation of new and repurposing of oxygen and nitrogen pipeline connections, and connection to existing low pressure nitrogen supply 9B - air separation unit (ASU) facility and connections to Work No. 1
Work No. 10	Modification or removal and replacement of industrial wastewater pipeline connection works
Works No. 11	- Export connection works: 11A - pipeline(s) for the export of SAF and renewable naphtha 11B or 11C - a pipeline for the export of carbon dioxide (CO₂) connecting to AGI by others (being either AGI C1 or C2 of the Northern Endurance Partnership (NEP) transport and storage pipeline) Only one of Work No. 11B or Work No. 11C would be developed
Works No. 12	Surface water attenuation, and drainage and discharge works
Works No. 13	Laydown areas comprising: 13A - temporary construction compounds and laydown areas 13B - permanent laydown and storage

Work No. 14	Access works and private street improvements
-------------	--

- 1.3.4 In addition a range of associated development, both specified and unspecified, is proposed in relation to the above.
- 1.3.5 The new quay on the River Tees (**Work No. 6**) will allow delivery of modular plant and construction materials by ship during construction and biomass and waste wood feedstock during operation, reducing reliance on road transport. Feedstock will be stored (**Work No. 3**) then pre-treated at the Main Site and processed into SAF through gasification and gas-to-liquids processes (**Work No.1**).
- 1.3.6 To support operations, the Proposed Development will include a biomass and waste wood-fired CHP plant (**Work No. 2**) with an electrical output capacity of up to 200 megawatts electrical (MWe), providing a low-carbon energy supply for the SAF process. Cooling infrastructure (**Work No. 4**) will be required for the SAF process and the CHP plant. Connections will provide electricity for start-up and to maintain ancillary site supplies (**Work No. 7**), natural gas for start-up and as auxiliary fuel for some processes during operation (**Work No. 8**), and oxygen and nitrogen which will either be delivered to the Site via pipelines or produced by a new ASU in the Main Site (**Work No. 9A or 9B** respectively). Waste materials, including off-specification materials will be exported from the Main Site by road. Finished products (SAF, and a secondary product of the process, renewable naphtha) will be transferred via pipeline(s) (**Work No. 11A**) to local marine loading facilities for marine export or export by road. CO₂ from the acid gas removal unit in Work No. 1B will be exported via pipeline (**Work No. 11B or Work No. 11C**) subject to a suitable agreement to connect to one of two proximate AGIs in the NEP project.
- 1.3.7 The Proposed Development will also include replacement and new wastewater pipeline connection works (**Work No. 10**), surface water drainage systems (**Work No. 12**) and access and street improvements (**Work No. 14**). Space within the Wider Site is identified for temporary construction and laydown and space within the Main Site identified for permanent laydown and storage areas (**Work No. 13**).
- 1.3.8 The preliminary layout of the Proposed Development is shown on **Indicative General Arrangement Plan (Application Document Ref 2.5.1)** and **Indicative General Arrangement Isometric (Application Document Ref 2.5.2)**.

1.4 The Site

- 1.4.1 The Site location and boundary (which is also known as the 'Order limits') are shown on **Site Location Plan (Application Document Ref 2.1)**. The Site is located in Teesside on land to the north and south of the River Tees with connection corridors crossing the Tees.
- 1.4.2 The Main Site is located in the industrial area of Seal Sands approximately 5km east of Billingham town centre and 4km north-east of Middlesbrough town centre, on the north bank of the River Tees in the borough of Stockton-on-Tees). The majority of the Main Site lies south of Seal Sands Road and largely comprises previously developed land formerly used as a chemical plant from the early 1970s. It was last operated by INEOS Nitriles.
- 1.4.3 The Main Site comprises the main SAF facility development area of the Site, lying to the south and north sides of Seal Sands Road and bounded by the proposed quay in the River Tees, with the River Tees to the east.
- 1.4.4 The eastern boundary of the Main Site is formed by the River Tees, where existing jetties will be demolished and a new quay developed.
- 1.4.5 The Wider Site comprises the connection corridors, including land required for road access, pipelines (including under the River Tees), dredging near to the Main Site, and utility connections and construction laydown in both North Tees and (in the borough of Redcar and Cleveland) South Tees.

1.5 The DCO Process

- 1.5.1 Part 3 of the PA 2008 defines which projects constitute a nationally significant infrastructure project (NSIP). Once classed as an NSIP, development consent (in the form of a DCO) is required under Part 4 of the PA 2008.
- 1.5.2 In legislative terms the Proposed Development comprises both a SAF production facility and a CHP generating station together with development associated with the SAF production facility and the CHP generating station.
- 1.5.3 The construction and operation of the main SAF production facility does not automatically fall within the definition of an NSIP. Therefore, on 12 August 2025, the Applicant formally requested a direction by the SoS for Energy Security and Net Zero, pursuant to section 35(1) of the PA 2008, that the following elements be treated as one for which development consent is required. The Section 35 direction request was made in respect of: a main gasification facility to process sustainably sourced biomass; feedstock pre-treatment, syngas clean-up apparatus; Fischer-Tropsch process units; refining units; feedstock, intermediates and finished product storage; quayside with ship loading/ offloading infrastructure; supporting

infrastructure and utility connections (hereafter called the 'Specified Elements').

- 1.5.4 The SoS for Energy Security and Net Zero issued a direction under Section 35 of the PA 2008 [Ref 1] on 08 September 2025 to confirm that the Specified Elements of the Proposed Development, together with any matters/ development associated with them, should be treated as development for which development consent under the PA 2008 is required.
- 1.5.5 The CHP plant (**Work No. 2**) surpasses the 50 Megawatt (MW) threshold for generating stations defined in Section 15 of the PA 2008 and is therefore a NSIP in its own right.
- 1.5.6 An application for development consent for the Proposed Development has been submitted to PINS acting on behalf of the SoS. Subject to the Application being accepted, PINS will then examine it and make a recommendation to the SoS who will then decide whether to grant a DCO.
- 1.5.7 The application for development consent for the Proposed Development supersedes a previous application that was being progressed by Lighthouse Green Fuels Limited centred on a site off Huntsman Drive in Seal Sands, TS2 1TT (PINS ref. EN010150). Statutory consultation on that application took place between 16 May 2024 and 20 June 2024. As shown on the PINS website¹, that application is discontinued.

1.6 The Purpose and Structure of this Document

- 1.6.1 The purpose of this Application Guide is to list the documents (the 'Application Documents') that make up the Application submitted to the SoS. In addition, it sets out how the Application Documents submitted comply with relevant legislative and policy requirements and guidance.
- 1.6.2 The Applicant intends to update the Application Guide, as required, during the course of the examination of the Application and the documents that have been superseded will be clearly identified as such.
- 1.6.3 The documents listed in the table below are those that comprise the DCO application submission.
- 1.6.4 The Application Guide has been prepared in accordance with relevant advice issued by the Planning Inspectorate in respect of the preparation and submission of application documents, including 'Advice on the Preparation and Submission of Application Documents' (last updated 2 August 2026).
- 1.6.5 The Application Documents are listed in Table 2.1 in Section 2 of this document.

1.7 Application Documents

- 1.7.1 The Application Documents have been grouped into appropriate categories, taking account of the Planning Inspectorate's advice and each has been given its own document reference per the first column in Table 2.1 below.
- 1.7.2 In addition to listing the Application Documents submitted, the third column of Table 2.1 identifies where these have been provided to comply with relevant legislative and policy requirements and guidance. The legislative requirements for DCO applications are principally contained in the PA 2008, The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the 'APFP Regulations') [Ref 2] and The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 ('EIA Regulations') [Ref 3].
- 1.7.3 APFP Regulation 5 lists the documents that all DCO applications must include. Regulation 5 includes a category (Reg. 5(2)(q)) described as "any other documents considered necessary to support the application". Similarly, Regulation 5 (Reg. 5(2)(o)) also allows applicants to submit other plans, drawings and sections which are considered necessary to describe the development. The documents, plans and drawings that have been provided by the Applicant under these categories of Regulation 5 are therefore not statutorily required but are those which it considers are necessary to explain and support the Application.
- 1.7.4 APFP Regulation 6 sets out a number of documents that particular types of DCO application must include. As the proposed CHP plant produces electricity to operate the SAF Production Facility, albeit will not in normal circumstances export to the grid, an Electricity Grid Connection Statement (Application Document Ref. 7.1) has been prepared in accordance with Regulation 6(1)(a)(i) in relation to this part of the Proposed Development. As the Proposed Development includes the construction of a quay, a Harbour Facilities Statement has been prepared in accordance with Regulation 6(3) in relation to this part of the Proposed Development. As the Proposed Development includes the construction of a pipeline, a Pipelines Statement (Application Document Ref. 7.2) has been prepared in accordance with Regulation 6(4) in relation to this part of the Proposed Development.
- 1.7.5 The Application is considered to comply with the statutory requirements of the PA 2008 and the APFP Regulations and EIA Regulations. Furthermore, the Application complies with the policy requirements under relevant National Policy Statements and other applicable guidance.

2 Application documents

Table 2.1 List of Application Documents

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
Volume 1	Application Form and related Documents		All Rev. 00/September 2026 unless stated
1.1	Application Form	S.37(3)(b) Planning Act 2008 and APFP Reg. 5(1)	
1.2	Application Cover Letter	APFP Reg. 5(2)(q)	
1.3	Application Guide	APFP Reg. 5(2)(q)	
1.4	Notices for Statutory Publicity	APFP Reg. 5(2)(q)	
1.5	Pre-application Programme Document	APFP Reg. 5(2)(q)	
1.6	Applicant's Completed Section 51 Advice Log	APFP Reg. 5(2)(q)	
Volume 2	Plans, Drawings and Sections		All Rev. 00/September 2026'unless stated
2.1	Site Location Plan	APFP Reg. 5(2)(o)	
2.2	Land Plans	APFP Reg. 5(2)(i), 5(2)(n)	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
2.3	Works Plans	APFP Reg. 5(2)(j)	
2.4	Access and Rights of Way Plans	APFP Reg. 5(2)(k)	
2.5.1	Indicative General Arrangement Plan	APFP Reg. 5(2)(o)	
2.5.2	Indicative General Arrangement Isometric	APFP Reg. 5(2)(o)	
2.6.1	Indicative Elevations - Main Site	APFP Reg. 5(2)(o)	
2.6.2	Indicative Sections - Main Site	APFP Reg. 5(2)(o)	
2.7	Indicative Floor and Roof Plans	APFP Reg. 5(2)(o)	
2.8.1	Marine Works Existing Site Plan	APFP Reg. 5(2)(o)	
2.8.2	Marine Works Indicative Proposed Site Plan	APFP Reg. 5(2)(o)	
2.8.3	Marine Works Indicative Proposed Section	APFP Reg. 5(2)(o)	
2.8.4	Marine Works Indicative Proposed Isometric Drawing	APFP Reg. 5(2)(o)	
2.9	Connection Route Plans	APFP Reg. 5(2)(o)	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
2.10	Typical Details for Main Site Boundary Treatment and Accesses	APFP Reg. 5(2)(o)	
Volume 3	Draft Development Consent Order		All Rev. 00/ September 2026 unless stated
3.1	Draft Development Consent Order	APFP Reg. 5(2)(b)	
3.2	Explanatory Memorandum	APFP Reg. 5(2)(c)	
3.3	Validation Statement	APFP Reg. 5(2)(q)	
Volume 4	Compulsory Acquisition Information		All Rev. 00/ September 2026 unless stated
4.1	Statement of Reasons	APFP Reg. 5(2)(h)	
4.2	Funding Statement	APFP Reg. 5(2)(h)	
4.3	Book of Reference	APFP Reg. 5(2)(d) & Reg. 7	
4.4	Pre-application Land and Rights Negotiations Tracker	APFP Reg. 5(2)(q)	
Volume 5	Reports and Statements		All Rev. 00/ September 2026 unless stated

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
5.1.1	Consultation Report	APFP Reg. 5(2)(q)	
5.1.2	Consultation Report Appendix Part 1	APFP Reg. 5(2)(q)	
5.1.3	Consultation Report Appendix Part 2	APFP Reg. 5(2)(q)	
5.1.4	Consultation Report Appendix Part 3	APFP Reg. 5(2)(q)	
5.1.5	Consultation Report Appendix Part 4	APFP Reg. 5(2)(q)	
5.1.6	Consultation Report Appendix Part 5	APFP Reg. 5(2)(q)	
5.1.7	Consultation Report Appendix Part 6	APFP Reg. 5(2)(q)	
5.1.8	Consultation Report Appendix Part 7	APFP Reg. 5(2)(q)	
5.2.1	Planning Statement	APFP Reg. 5(2)(q)	
5.2.2	Policy Compliance and Accordance Tables	APFP Reg. 5(2)(q)	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
5.3.1	Design Approach Document	APFP Reg. 5(2)(q)	
5.3.2	Outline Design Principles	APFP Reg. 5(2)(q)	
5.4	Other Consents and Licences Statement	APFP Reg. 5(2)(q)	
5.5	Statutory Nuisance Statement	APFP Reg. 5(2)(f) Environmental Protection Act 1990 s79(1)	
5.6	Potential Main Issues for the Examination	APFP Reg 5(2)(q)	
5.7	Flood Risk Assessment	APFP Reg 5(2)(e)	
5.8	Framework Landscape and Biodiversity Mitigation and Enhancement Strategy	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
5.9	Nutrient Neutrality Assessment	APFP Reg 5(2)(q) Levelling-up and Regeneration Act 2023	
5.10	Water Environment Regulations Assessment	APFP Reg 5(2)(q) The Water Environment (Water	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
		Framework Directive) (England and Wales) Regulations 2017	
5.11.1	Report to inform Habitat Regulations Assessment (Redacted)	APFP Reg 5(2)(g) The Conservation of Habitats and Species Regulations 2017	
5.11.2	Report to inform Habitat Regulations Assessment (Confidential)	APFP Reg 5(2)(g) The Conservation of Habitats and Species Regulations 2017	
Volume 6	Environmental Statement		All Rev. 00/ September 2026 unless stated
Document Reference 6.2	Environmental Statement Chapters	APFP Reg. 5(2)(a) and EIA Reg. 17.	All Rev. 00/ September 2026 unless stated
6.1.1	Chapter 1 – Introduction	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.2	Chapter 2 – Assessment Methodology	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.1.3	Chapter 3 – Site and Surrounding Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.4	Chapter 4 – Proposed Development	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.5	Chapter 5 – Construction Programme and Management	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.6	Chapter 6 – Alternatives	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.7	Chapter 7 – Planning and Energy Policy	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.8	Chapter 8 – Air Quality	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.9	Chapter 9 – Noise and Vibration	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.10	Chapter 10 – Terrestrial Ecology	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.1.11	Chapter 11 – Freshwater and Marine Ecology	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.1.12	Chapter 12 – Water Environment	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.1.13	Chapter 13 – Landscape and Visual Amenity	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.14	Chapter 14 – Greenhouse Gas Emissions	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.15	Chapter 15 – Climate Change Resilience	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.16	Chapter 16 – Materials and Waste	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.17	Chapter 17 – Socioeconomics	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.18	Chapter 18 – Traffic and Transport	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.19	Chapter 19 – Major Accidents and Disasters	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.20	Chapter 20 – Marine Navigation	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.1.21	Chapter 21 – Geology and Soils	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.22	Chapter 22 – Cumulative and Combined Effects	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.23	Chapter 23 – Summary of Significant Effects	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.1.24	Project Glossary	APFP Reg. 5(2)(a) and EIA Reg. 14	
Document Reference 6.2	Environmental Statement Figures		All Rev. 00/ September 2026 unless stated
6.2.1	Figure 1.1: Site Location	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.2	Figure 1.2: Proposed Development Boundary	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.3	Figure 3.1: Surrounding Developments	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.4	Figure 3.2 Designated Conservation Sites	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.5	Figure 4.1: Indicative Proposed Development Layout	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.6	Figure 4.2: Main Site and Wider Site	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.7	Figure 4.3: Parts of the Wider Site	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.8	Figure 5.1: Construction Layout	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.9	Figure 8.1: Locations of Air Quality Monitoring Sites	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.10	Figure 8.2: Construction Dust Buffers	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.11	Figure 8.3: Construction Traffic Affected Road Network (ARN) & Human Receptors	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.12	Figure 8.4: Construction Traffic Affected Road Network (ARN) & Ecological Receptors	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.13	Figure 8.5: Shipping Assessment Study Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.14	Figure 8.6: Operational Traffic ARN & Human Receptors	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.15	Figure 8.7: Operational Traffic ARN & Ecological Receptors	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.16	Figure 8.8: Operational Plant Study Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.17	Figure 8.9: Operational Plant Stack and Building Locations	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.18	Figure 8.10: Operational Plant Modelled Human Receptors	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.19	Figure 8.11: Operational Plant Modelled Ecological Receptors	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.20	Figure 8.12: Operational Plant Isopleths of NO ₂ Hourly Concentrations	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.21	Figure 8.13: Operational Plant Isopleths of NO ₂ Annual Concentrations	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.22	Figure 8.14: Operational Plant Isopleths of NO _x Daily Concentrations	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.23	Figure 8.15: Operational Plant Isopleths of NO _x Annual Concentrations	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.24	Figure 8.16: Operational Plant Isopleths of Nitrogen Deposition - BAT-AELs	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.25	Figure 8.17: Operational Plant Isopleths of Nitrogen Deposition - Additional Mitigation	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.26	Figure 9.1: Main Site Operational Noise Study Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.27	Figure 9.2: Construction Noise and Vibration Study Area	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.28	Figure 9.3: Locations of Baseline Environmental Sound Survey Results Used for the Proposed Development	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.29	Figure 9.4: Locations of Noise Sensitive Receptors (NSRs)	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.30	Figure 9.5: Operational noise contour map for Noise Sensitive Receptors	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.31	Figure 10.1: Field Survey Data Gaps	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.32	Figure 10.2: International Statutory Designated Sites within 20km	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.33	Figure 10.3: National Statutory Designated Sites within 20km	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.34	Figure 10.4: Locally Designated Sites within 2km	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.35	Figure 10.5: Watercourses and Waterbodies within 250m	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.36	Figure 10.6: Ecological Receptors for the Operational Noise Assessment	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.37	Figure 10.7: Operational Noise Assessment On Terrestrial Ecological Receptors	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.38	Figure 10.8: Wintering Birds Survey Compartments	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.39	Figure 10.9: Acoustic Screening	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.40	Figure 11.1: Marine And Freshwater Ecology Assessment Area	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.41	Figure 11.2: Designated Sites	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.42	Figure 11.3: Sediment Quality Survey Stations	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.43	Figure 11.4: Marine Ecology Survey Stations	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.44	Figure 11.5: Sediment Quality Results	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.45	Figure 11.6: Marine Ecology Survey Results	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.46	Figure 11.7: Survey Stations Within Zones of Influence	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.47	Figure 11.8: Occurrences Of Protected Mobile Species	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.48	Figure 11.9: Underwater Noise Assessment Map	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.49	Figure 12.1: WER (WFD) Surface Water Body catchments	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.50	Figure 12.2: WER (WFD) Groundwater Body catchments	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.51	Figure 12.3: Surface Water Features	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.52	Figure 12.4: Groundwater Features	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.53	Figure 12.5: Flood Mapping	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.54	Figure 12.6: Risk of Flooding - Surface Water	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.55	Figure 12.7: Risk of Flooding Rivers and Seas	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.56	Figure 13.1: Site Location and Study Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.57	Figure 13.2: Hydrography and Topography	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.58	Figure 13.3: Landcover	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.59	Figure 13.4: Relevant Designations	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.2.60	Figure 13.5: Published Landscape Character Areas	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.61	Figure 13.6: Project Specific Landscape Character Areas	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.62	Figure 13.7: Zone of Theoretical Visibility and Proposed Viewpoints	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.63	Figure 13.8: Representative Viewpoint 01	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.64	Figure 13.9: Representative Viewpoint 02	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.65	Figure 13.10: Representative Viewpoint 03	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.66	Figure 13.11: Representative Viewpoint 04	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.67	Figure 13.12: Representative Viewpoint 05	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.68	Figure 13.13: Representative Viewpoint 06	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.69	Figure 13.14: Representative Viewpoint 07	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.70	Figure 13.15: Representative Viewpoint 08	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.71	Figure 13.16: Representative Viewpoint 09	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.72	Figure 13.17: Representative Viewpoint 10	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.73	Figure 17.1: Direct Impact Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.74	Figure 17.2: Wider Impact Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.75	Figure 17.3: Deprivation	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.76	Figure 17.4: Agricultural Land Classification	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.77	Figure 17.5: Local Businesses	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.78	Figure 17.6: Community and Recreational Facilities	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.79	Figure 17.7: Tourism	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.80	Figure 18.1: Traffic Network	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.81	Figure 18.2: Construction Heavy Goods Vehicle Routes	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.82	Figure 18.3: Walking and Cycling Active Travel Network	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.83	Figure 21.1: Site Location and Study Area	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.84	Figure 21.2: Site Layout	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.85	Figure 21.3: Superficial Geology	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.86	Figure 21.4: Bedrock Geology	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.2.87	Figure 21.5: Historic and Authorised Landfills	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.2.88	Figure 22.1: Shortlist of Developments Considered for Cumulative Impact Assessment	APFP Reg. 5(2)(a) and EIA Reg. 14	
Document Reference 6.3	Environmental Statement Technical Appendices	APFP Reg. 5(2)(a) and the EIA Regs.	All Rev. 00/ September 2026 unless stated
6.3.1	Appendix 1A: Relevant Expertise and Competency	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.2	Appendix 2A: Scoping Report	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.3	Appendix 2B: Scoping Opinion Responses	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.4	Appendix 5A: Framework Construction Environmental Management Plan	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.5	Appendix 5B: Framework Site Waste Management Plan	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.6	Appendix 8A: Air Quality Construction Assessment	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.3.7	Appendix 8B: Air Quality Operational Assessment	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.8	Appendix 9A: Baseline Noise Survey Report	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.9	Appendix 10A: Preliminary Ecological Appraisal Update	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.10	Appendix 10B: Bat Survey and Acoustic Analysis Report	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.11	Appendix 10C: Breeding Birds Survey Report (Confidential)	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.12	Appendix 10D: Wintering Birds Survey Report (Confidential)	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.13	Appendix 10E: Riparian Mammals Survey Report	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.14	Appendix 10F: Terrestrial Invertebrates Survey Report	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.15	Appendix 10G: SSSI Assessment	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.3.16	Appendix 10H: Noise and Vibration Assessment for Terrestrial Ecological Receptors	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.17	Appendix 11A: Marine Ecology Survey and Results	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.18	Appendix 12A: Coastal and Estuary Processes	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.19	Appendix 13A: Landscape Baseline and Effects	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.20	Appendix 13B: Visual Baseline and Effects	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.21	Appendix 13C: Framework Lighting Strategy	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.22	Appendix 13D: Landscape and Visual Impact Assessment Methodology	APFP Reg. 5(2)(a), 5(2)(l) and EIA Reg. 14	
6.3.23	Appendix 14A: Greenhouse Gas Data and Assumptions	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.3.24	Appendix 18A: Transport Assessment	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.25	Appendix 18B: Assessment of Construction Phase Effects	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.26	Appendix 18C: Assessment of Operational Phase Effects	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.27	Appendix 18D: Framework Construction Traffic Management Plan	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.28	Appendix 20A: Preliminary Navigation Risk Assessment	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.29	Appendix 21A: Ground Conditions - Phase 1 Preliminary Risk Assessment Report	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.30	Appendix 22A: Long List of Other Developments	APFP Reg. 5(2)(a) and EIA Reg. 14	
6.3.31	Appendix 23A: Commitments Schedule	APFP Reg. 5(2)(a) and EIA Reg. 14	

Application Document Reference	Application Document Name	Statutory/ Other Requirement	Latest Revision No./ Date
6.4	Environmental Statement Volume 4 Non-Technical Summary		All Rev. 00/ September 2026 unless stated
6.4	Non-Technical Summary	APFP Reg. 5(2)(a) and EIA Reg. 14	
Volume 7	Additional Information		All Rev. 00/ September 2026 unless stated
7.1	Electricity Grid Connection Statement	APFP Reg. 5(2)(p) and Reg. 6(1)(a)(i)	
7.2	Pipelines Statement	APFP Reg. 5(2)(p) and Reg. 6(4)	
7.3	Harbour Facilities Statement	APFP Reg. 5(2)(p) and Reg. 6(3)	
7.4	Combined Heat and Power Statement	APFP Reg 5(2)(q)	
7.5	Greenhouse Gas Reduction Strategy	APFP Reg 5(2)(q)	

References

- Ref 1 UK Government (2008) Planning Act 2008. Available online:
<https://www.legislation.gov.uk/ukpga/2008/29/contents>
- Ref 2 UK Government (2009) The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. Available online:
<https://www.legislation.gov.uk/uksi/2009/2264/contents>
- Ref 3 UK Government (2017) The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017. Available online:
<https://www.legislation.gov.uk/uksi/2017/572/contents>



www.lighthousegreenfuels.co.uk

