



Hornsea Project Four: Derogation Information

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Volume B2, Annex 7.6: Outline Gannet and Kittiwake Compensation Implementation and Monitoring Plan

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Acronyms

Term	Definition
KCP	Kittiwake Compensation Plan
KIMP	Kittiwake Implementation and Monitoring Plan
OOEG	Offshore Ornithology Engagement Group
FFC	Flamborough and Filey Coast
SPA	Special Protection Area

1 Introduction

1.1.1.1 This document sets out the outline for the Gannet and Kittiwake Implementation and Monitoring Plan (GKIMP) that will be developed by the Applicant, in consultation with the proposed Offshore Ornithology Engagement Group (OOEG), should consent for Hornsea Four be granted and compensation for black-legged kittiwake *Rissa tridactyla* (kittiwake) and/ or northern gannet *Morus bassanus* (gannet) be required. The GKIMP will be developed in accordance with the Gannet and Kittiwake Compensation Plan (KCP) which provides a detailed account of the strategy supporting the potential compensation measures for kittiwake and gannet. The GKIMP will be submitted to the Secretary of State for approval.

1.1.1.2 The following sections of this document set out the proposed content of the GKIMP. The GKIMP will be structured as follows:

- Section 2: Background
- Section 3: Consultation
- Section 4: Offshore artificial nesting structures
 - Section 4.1: Scale and location of compensation
 - Section 4.2: Design of artificial nesting structures
 - Section 4.3: Routine management
 - Section 4.4: Delivery Mechanism
 - Section 4.5: Commercial Agreements
 - Section 4.6: Monitoring and adaptive management
 - Section 4.7: Reporting
 - Section 4.8: Programme for implementation and delivery
 - Section 4.9: Discharge of consent condition
- Section 5: Onshore artificial nesting structures
 - Section 5.1: Scale and location of compensation
 - Section 5.2: Design of artificial nesting structures
 - Section 5.3: Routine management
 - Section 5.4: Delivery Mechanism
 - Section 5.5: Monitoring and adaptive management
 - Section 5.6: Reporting
 - Section 5.7: Programme for implementation and delivery
 - Section 5.8: Discharge of consent condition
- Section 6: Fish Habitat Enhancement
 - Section 6.1: Scale and location of compensation
 - Section 6.2: Design of seagrass habitat restoration programme
 - Section 6.3: Delivery mechanism
 - Section 6.4: Monitoring and adaptive management
 - Section 6.5: Reporting
 - Section 6.6: Programme for implementation and delivery
 - Section 6.7: Discharge of consent condition

2 Background

2.1.1.1 This section will provide context to the GKIMP, confirming the reason for its need, its aims

and objectives, and the latest project status.

3 Consultation

- 3.1.1.1 This section will summarise all relevant consultation that has taken place through the OOEG in the development of the GKIMP. It will capture any key decisions, agreements, and where relevant any outstanding issues under discussion (with clarity as to the steps necessary to resolve any such matters). Ongoing engagement, for example to provide updates on monitoring, (post-discharge of the GKIMP) will be outlined here.

4 Offshore artificial nesting structures

4.1 Scale and location of compensation

- 4.1.1.1 This section will identify the scale of compensation proposed to be provided and how this relates to the consent decision made by the Secretary of State. This section will then also detail the specific location(s) at which the compensation will be delivered and how the necessary seabed rights and/or property rights in those locations have been/ will be secured. The evidence base included in support of the GKCP will help inform these aspects. The results of any monitoring of existing gannet and kittiwake colonies carried out pre-construction will also be detailed here as this may influence the location(s).

4.2 Design of artificial nesting structures

- 4.2.1.1 This section will identify the design for each structure provided within the compensation package, including the high-level structural design and the gannet and kittiwake ecological design considerations which have been integrated to ensure the compensation measure has the maximum potential for success (including alterations to the topside of repurposed structure). The evidence base provided in support of the GKCP ([Annex B2.7.1 to the GKCP Offshore Artificial Nesting: Ecological Evidence](#) and [Annex B2.7.4 to the GKCP Onshore Artificial Nesting: Ecological Evidence](#)) and engagement with the OOEG will be important in informing the specific design aspects of the structures.

4.3 Routine management

- 4.3.1.1 This section will describe the management responsibilities for the structures, including anticipated routine maintenance.

4.4 Delivery Mechanism

- 4.4.1.1 This section will confirm the nature and status of all consents, land or seabed access agreements, and any other relevant approvals that are necessary to secure the implementation of the compensation measures and include a programme for delivery of any outstanding consents.

4.5 Commercial Agreements

- 4.5.1.1 If a decision is made to repurpose an existing offshore platform that is due to be decommissioned then this section will provide a high level summary of the agreement with

the relevant oil and gas operator.

4.6 Monitoring and adaptive management

- 4.6.1.1 This section will identify the monitoring and adaptive management principles and processes that have been agreed with the OOEG, including the scenarios under which adaptive management measures are required. It will be developed in line with the evidence base that has been provided in support of the GKCP. Following discharge of the GKIMP, the OOEG will be engaged in relation to implementing adaptive management if required as outlined in the Consultation section above. Specific topics of discussion for inclusion within the OOEG, and therefore the purpose of the group, will be regarding site selection, project/ study design, monitoring, adaptive management options and associated triggers. The focus of the OOEG will be specifically to deliver the compensation for Hornsea Four and therefore other topics beyond this will be out of scope.

4.7 Reporting

- 4.7.1.1 This section will set out the reporting requirements associated with the monitoring and adaptive management. In doing so, it will confirm the necessary objectives and timescales for the reporting.

4.8 Programme for implementation and delivery

- 4.8.1.1 This section will confirm the programme for the implementation and long-term delivery of the compensation.

4.9 Discharge of consent condition

- 4.9.1.1 This section will confirm how, based on the content of this report, the Secretary of State can discharge the condition relating to the delivery of the compensation required for the gannet and kittiwake feature of the Flamborough and Filey Coast Special Protection Area (FFC SPA).

5 Onshore artificial nesting structures

5.1 Scale and location of compensation

- 5.1.1.1 This section will identify the scale of compensation proposed to be provided and how this relates to the consent decision made by the Secretary of State. This section will then also detail (and map) the specific location at which the compensation will be delivered and how the necessary land rights to those locations have been/will be secured. The evidence base included in support of the GKCP will help inform these aspects. The results of any monitoring of existing gannet and kittiwake colonies carried out pre-construction will also be detailed here as this may influence the location.

5.2 Design of artificial nesting structures

- 5.2.1.1 This section will identify the design for each structure proposed to be provided, including the high-level structural design and the gannet and kittiwake ecological design

considerations which have been integrated to ensure the compensation measure has the maximum potential for success. The evidence base provided in support of the GKCP ([Annex B2.7.1 to the GKCP Offshore Artificial Nesting: Ecological Evidence](#) and [Annex B2.7.4 to the GKCP Onshore Artificial Nesting: Ecological Evidence](#)) and engagement with the OOEG will be important in informing the specific design aspects of the structures.

5.3 Routine management

5.3.1.1 This section will describe the management responsibilities for the structures, including anticipated routine maintenance.

5.4 Delivery Mechanism

5.4.1.1 This section will confirm the nature and status of all consents, land access agreements, and any other relevant approvals that were necessary to secure the implementation of the compensation measures and include a programme for delivery of any outstanding consents.

5.5 Monitoring and adaptive management

5.5.1.1 This section will identify the monitoring and adaptive management principles and processes that have been agreed with the OOEG, including the scenarios under which adaptive management measures are required. It will be developed in line with the evidence base that has been provided in support of the GKCP. Following discharge of the GKIMP, the OOEG will be engaged in relation to implementing adaptive management if required as outlined in the Consultation section above. Specific topics of discussion for inclusion within the OOEG, and therefore the purpose of the group, will be regarding site selection, project/ study design, monitoring, adaptive management options and associated triggers. The focus of the OOEG will be specifically to deliver the compensation for Hornsea Four and therefore other topics beyond this will be out of scope.

5.6 Reporting

5.6.1.1 This section will set out the reporting requirements associated with the monitoring and adaptive management. In doing so, it will confirm the necessary objectives and timescales for the reporting.

5.7 Programme for implementation and delivery

5.7.1.1 This section will confirm the programme for the implementation and long-term delivery of the compensation.

5.8 Discharge of consent condition

5.8.1.1 This section will confirm how, based on the content of this report, the Secretary of State can discharge the condition relating to the delivery of the compensation required for the gannet and kittiwake feature of the FFC SPA.

6 Fish Habitat Enhancement

6.1 Scale and location of compensation

6.1.1.1 This section will identify the scale of the resilience measure proposed to be provided and how this relates to the consent decision made by the Secretary of State. This section will also detail the specific location(s) at which the compensation will be delivered, and those forage fish species that will be of relevance to the measure. The evidence base included in support of the GKCP will help inform these aspects. The results of any monitoring of prey fish species carried out pre-implementation of seagrass restoration, such as potential migratory fish tagging studies in order to explore connectivity of seagrass to offshore seabird foraging areas, will also be detailed here.

6.2 Design of seagrass habitat restoration programme

6.2.1.1 This section will identify the design of the seagrass restoration programme(s) proposed to be provided as part of the suite of compensation measures. The evidence base provided in support of the GKCP ([B2.7.1 to the GKCP Offshore Artificial Nesting: Ecological Evidence](#); [B2.7.4 to the GKCP Onshore Artificial Nesting: Ecological Evidence](#); and [B2.8.5 Compensation measures for FFC SPA: Fish Habitat Enhancement: Ecological Evidence](#)) The OOEG will be informed of the site selection process and will be consulted on throughout the delivery programme.

6.3 Delivery mechanism

6.3.1.1 This section will confirm the nature and status of any consents, land access agreements, and any other relevant approvals that were necessary to secure the implementation of the resilience measure and include a programme for delivery of any outstanding approvals. Noting locations for the seagrass restoration resilience measure will be informed through feasibility studies and research surveys in order to maximise successful delivery of measures.

6.4 Monitoring and adaptive management

6.4.1.1 This section will identify the monitoring and adaptive management principles and processes that have been discussed with the OOEG, including the scenarios under which adaptive management measures are required. It will be developed in line with evidence base that has been provided in support of the GKCP. Following discharge of the GKIMP, the OOEG will be engaged in relation to implementing adaptive management as outlined in the Consultation section above. Specific topics of discussion for inclusion within the OOEG, and therefore the purpose of the group, will be regarding delivery, monitoring and adaptive management options and associated triggers. The focus of the OOEG will be specifically to deliver the resilience measure for Hornsea Four and therefore other topics beyond this will be out of scope.

6.5 Reporting

6.5.1.1 This section will set out the reporting requirements associated with the monitoring and adaptive management. In doing so, it will confirm the necessary objectives and timescales for the reporting.

6.6 Programme for implementation and delivery

- 6.6.1.1 This section will confirm the programme for the implementation and long-term delivery of the resilience measure and any ongoing monitoring or management in relation to seagrass restoration.

6.7 Discharge of consent condition

- 6.7.1.1 This section will signpost how, based on the content of this report, the Secretary of State can approve this document with reference to the relevant paragraphs in the DCO.