

MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Errata



Deadline: Procedural Deadline
Application Reference: EN020028

Document Numbers:
MRCNS-J3303-RPS-19075
MOR001-CON-CAG-ASS-0005

Document Reference: S_D1_14
Rev: F01

20 May 2025

Document status

Version	Purpose of document	Approved by	Date	Approved by	Date
F01	Deadline 1	HK	May 2025	IM	20 May 2025

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Glossary

Term	Meaning
Applicants	Morgan Offshore Wind Limited (Morgan OWL) and Morecambe Offshore Windfarm Ltd (Morecambe OWL).
Development Consent Order	An order made under the Planning Act 2008, as amended, granting development consent.
Environmental Impact Assessment	The process of identifying and assessing the significant effects likely to arise from a project. This requires consideration of the likely changes to the environment, where these arise as a consequence of a project, through comparison with the existing and projected future baseline conditions.
Environmental Statement	The document presenting the results of the Environmental Impact Assessment process.
European Protected Species	Species (such as bats, great crested newts, otters and dormice) which receive full protection under The Conservation of Species and Habitats Regulations 2017 and Conservation of Offshore Marine Habitats and Species Regulations 2017.
Generation Assets	The generation assets associated with the Morgan Offshore Wind Project and the Morecambe Offshore Windfarm include the offshore wind turbines, inter-array cables, offshore substation platforms and platform link (interconnector) cables to connect offshore substations.
Landfall	The area in which the offshore export cables make landfall (come on shore) and the transitional area between the offshore cabling and the onshore cabling. This term applies to the entire landfall area at Lytham St. Annes between Mean Low Water Springs and the transition joint bay inclusive of all construction works, including the offshore and onshore cable routes, intertidal working area and landfall compound(s).
Local Planning Authority	The local government body (e.g., Borough Council, District Council, etc.) responsible for determining planning applications within a specific area.
Marine licence	The Marine and Coastal Access Act 2009 requires a marine licence to be obtained for licensable marine activities. Section 149A of the Planning Act 2008 allows an applicant for to apply for 'deemed marine licences' in English waters as part of the development consent process.
Morgan and Morecambe Offshore Wind Farms: Transmission Assets	The offshore export cables, landfall and onshore infrastructure for the Morgan Offshore Wind Project and the Morecambe Offshore Windfarm. This includes the offshore export cables, landfall site, onshore export cables, onshore substations, 400 kV grid connection cables and associated grid connection infrastructure such as circuit breaker compounds. Also referred to in this report as the Transmission Assets, for ease of reading.
National Policy Statement(s)	The current national policy statements published by the Department for Energy Security and Net Zero in 2023.
Planning Inspectorate	The agency responsible for operating the planning process for applications for development consent under the Planning Act 2008.
Protected species	A species of animal or plant which it is forbidden by law to harm or destroy.

Term	Meaning
Ramsar sites	Wetlands of international importance that have been designated under the criteria of the Ramsar Convention. In combination with Special Protection Areas and Special Areas of Conservation, these sites contribute to the national site network.
Renewable energy	Energy from a source that is not depleted when used, such as wind or solar power.
Special Areas of Conservation	A site designation specified in the Conservation of Habitats and Species Regulations 2017. Each site is designated for one or more of the habitats and species listed in the Regulations. The legislation requires a management plan to be prepared and implemented for each SAC to ensure the favourable conservation status of the habitats or species for which it was designated. In combination with Special Protection Areas and Ramsar sites, these sites contribute to the national site network.
Special Protection Areas	A site designation specified in the Conservation of Habitats and Species Regulations 2017, classified for rare and vulnerable birds, and for regularly occurring migratory species. Special Protection Areas contribute to the national site network.
The Secretary of State for Energy Security and Net Zero	The decision maker with regards to the application for development consent for the Transmission Assets.
Transmission Assets	See Morgan and Morecambe Offshore Wind Farms: Transmission Assets (above).

1 Errata

1.1 Introduction

- 1.1.1.1 During the preparation of its responses to the Relevant Representations and submissions for Deadline 1, the Applicants have identified minor errata in some of the DCO application documents.
- 1.1.1.2 The errata identified are presented within this document. None of the errata identified in the application documents alter any assessment conclusions for the specific topics.
- 1.1.1.3 Going forwards, the Applicants will continue to update the errata document for matters material to the assessment conclusions only. The Applicants propose to take the following approach:
- The Applicants will maintain an errata sheet to be appended to the relevant application document at the end of the Examination (Deadline 6) where there are less than 10 errors
 - Where there are more than 10 errors, the Applicants will incorporate errata amends within updated application documents at the end of the Examination (Deadline 6).
- 1.1.1.4 The Applicants propose to take a proportionate approach to ensure post-consent certified documents are accurate and easy to read.

1.2 Benthic Subtidal and Intertidal Ecology (APP-045)

Table 1.1: Benthic Subtidal and Intertidal Ecology (APP-045) errata

Document section	Description of errata
Table 2.12	<p>States 'UXO removal: clearance of up to 25 UXOs (21 for Morgan OWL and 4 for Morecambe OWL) ranging from 25 kg up to 907 kg, with 130 kg being the most likely maximum.'</p> <p>This should state 'UXO removal: clearance of up to 25 UXOs (<u>22</u> for Morgan OWL and <u>3</u> for Morecambe OWL) ranging from 25 kg up to 907 kg, with 130 kg being the most likely maximum</p>
Table 2.12	<p>Temporary habitat loss/disturbance</p> <p>States 'sandwave clearance: required for up to 10% of Morgan export cables and 10% of Morecambe export cables'</p> <p>This should state 'sandwave clearance: required for up to 9% of Morgan export cables and 9% of Morecambe export cables'</p> <p>Increased SSC and associated deposition</p> <p>States 'Morgan export cable: sandwave clearance along 10% of 400 km of export cable length with a width of 60 m. This equates to a total spoil volume of 1,080,000 m³ associated with the cable corridor. Morecambe export cable: sandwave clearance along 10% of 84 km of export cable length, with a width of 48 m. This equates to a total spoil volume of 346,800 m³'.</p> <p>This should state 'Morgan export cable: sandwave clearance along 9% of 400 km of export cable length with a width of 60 m. This equates to a total spoil volume of 1,080,000 m³ associated with the cable corridor. Morecambe export cable: sandwave clearance along 9% of 84 km of export cable length, with a width of 48 m. This equates to a total spoil volume of 346,800 m³'.</p>

1.3 Fish and Shellfish Ecology (APP-048)

Table 1.2: Fish and Shellfish Ecology (APP-048) errata

Document section	Description of errata
Table 3.17	<p>The heading for this table states “PTS range (m)” and should state “mortality and potential mortal injury range (m)”.</p> <p>The Applicants have already performed underwater sound modelling on mortality and potential mortal injury in fish at 229-234 decibels (dB) peak and have presented the upper and lower range limits for mortality in Table 3.17 of Volume 2, Chapter 3: Fish and shellfish ecology (APP-048), based on the results presented in Table 1.22 of Volume 1, Annex 5.2: Underwater sound technical report (APP-036). This has been mistakenly labelled as PTS and should read “mortality and potential mortal injury.”</p>

1.4 Marine Mammals (APP-050)

Table 1.3: Marine Mammals (APP-050) errata

Document section	Description of errata
4.11.6.26	<p>Paragraph 4.11.6.26 states 'For geophysical surveys the maximum disturbance ranges were predicted for the SBP with mild disturbance up to 17.3 km'.</p> <p>The sentence should read '<i>For geophysical surveys the maximum disturbance ranges were predicted for the SBP with disturbance up to 17.3 km</i>', noting the removal of the word 'mild'.</p>
Paragraph 4.11.6.21	<p>The following sentence in section 4.11.6.21 of Volume 2, Chapter 4: Marine Mammals [APP-050] should be updated to state 'medium term' rather than 'short term'.</p> <p><i>'The site-investigation surveys are considered to be short term as they will take place over a period of several months.'</i></p>
Table 4.13	<p>The MDS identifies 278 vessel movements for the construction phase for Marine Mammals [APP-050]. This is incorrect and should be updated to 286 vessel movements.</p>
Figures Paragraph 4.6.2.2	<p>'SACs and MNRs, designated for the protection of marine mammals within the regional study area' to be included in the ES Volume 2, Figures, Part 3 of 5 (APP-064) and referenced correctly within the ES Volume 2, Chapter 4: Marine mammals (APP-050).</p> <p>Paragraph 4.6.2.2 which states "SACs and MNRs, designated for the protection of marine mammals within the regional study area (Figure 4.1, Volume 2, Figures)" to be updated with new Figure reference when this is available, to replace reference to Figure 4.1.</p>

1.5 Shipping and Navigation (APP-056)

Table 1.4: Shipping and Navigation (APP-056) errata

Document section	Description of errata
7.9.1.1	States that 'The construction phase is anticipated to take up to 24 months for sequential construction'. This should state 'The site preparation and construction phase is anticipated to take up to <u>30</u> months for sequential construction'.
7.9.1.4	State that 'The construction phase for the installation of the offshore export cables is anticipated to take up to 24 months of activity for sequential construction (18 months + possible gap + 6 months)'. This should state 'The site preparation and construction phase for the installation of the offshore export cables is anticipated to take up to <u>30</u> months of activity for sequential construction (<u>21</u> months + possible gap + <u>9</u> months)'.
7.9.1.7	States that "up to 278 vessel movements (return trips) are expected during construction per year (226 for the Morgan Offshore Wind Project: Transmission Assets and 58 for the Morecambe Offshore Windfarm: Transmission Assets)." This should state "up to 278 vessel movements (return trips) are expected during construction per year (226 for the Morgan Offshore Wind Project: Transmission Assets and <u>60</u> for the Morecambe Offshore Windfarm: Transmission Assets)."

1.6 Geology, Hydrogeology and Ground Conditions (APP-068)

Table 1.5: Geology, Hydrogeology and Ground Conditions (APP-068) errata

Document section	Description of errata
Paragraph 1.11.9.13	The maximum direct pipe entry pit depth was incorrectly stated as 4m. The correct maximum depth is 6m.
Paragraph 1.11.9.21	When applying the maximum depth of 6m (rather than 4m) the radius of influence is <u>180m</u> rather than 120m.
Paragraph 1.11.9.22	When applying the 'factor of safety' the zone of influence is <u>360m</u> rather than 240m.

1.7 Hydrology and Flood Risk (APP-070)

Table 1.6: Hydrology and Flood Risk (APP-070) errata

Document section	Description of errata
Glossary	Remove reference to 'easement' and replace with 'standoff'
Page 10 and Page 14	Remove reference to 'easement' and replace with 'standoff'

1.8 MCZ Assessment (APP-019)

Table 1.7: MCZ Assessment (APP-019) errata

Document section	Description of errata
Figure 1.7	The Applicants can confirm that the potential ‘seapen and burrowing megafauna communities’ IEF mapped in Figure 1.22 of Volume 2, Annex 2.1: Benthic subtidal and intertidal ecology technical report (APP-046) was erroneously missed from Figure 1.7 of the MCZ Screening and Stage 1 Assessment Report (APP-019). Figure 1.7 will be updated for Deadline 2.
Table 1.6	The Maximum design parameter for the Maximum total volume of cable protection (m ³), within MCZ (shown in the last row of the table) should be 30,400.

1.9 Invasive Non-native Species Technical Report (APP-088)

Table 1.8: Invasive Non-native Species Technical Report (APP-088) errata

Document section	Description of errata
Figures 1.2 to 1.7	Common Frog was incorrectly included on the figures and the legend of Figures 1.2 to 1.7 of Volume 3, Annex 3.14: Invasive non-native species technical report (APP-088).

1.10 Habitats Regulations Assessment Stage 2 Information to Support an Appropriate Assessment Part Three – Special Protection Areas (SPA) and Ramsar Site assessments (APP-017)

Table 1.9: Habitats Regulations Assessment Stage 2 Information to Support an Appropriate Assessment Part Three – Special Protection Areas (SPA) and Ramsar Site assessments (APP-017) errata

Document section	Description of errata
Paragraph 1.6.3.182	<p>As raised in the Natural England Relevant Representation (RR-1601H.58), the Applicants acknowledge that the reference to Liverpool Bay SPA should be removed and replaced with a reference to the Ribble and Alt Estuaries. The Applicants have provided below the calculations to support conclusions of negligible impact on the intertidal features within the Ribble and Alt Estuaries SPA.</p> <p>The total area of the Ribble and Alt Estuaries is 124,123,100m². Therefore, the temporary habitat loss anticipated (25,000m²) equates to 0.02% of the available habitats within the Ribble and Alt Estuaries SPA. It is therefore concluded that the temporary loss of supporting habitats and/or resource availability would have a negligible impact on the intertidal features within the Ribble and Alt Estuaries SPA.</p> <p>Paragraph 1.6.3.182 should read <i>'At any one time during operation and maintenance, there will be a maximum of 500 x 50 m (working corridor) of habitat loss. This equates to 25,000 m² which is less than 0.02% of the available habitats in the Liverpool Bay/Bae Lerpwl Ribble and Alt Estuaries SPA. Therefore, it is concluded that the temporary loss of supporting habitats and/or resource availability over a five year period would have a negligible impact on the intertidal features within the Ribble and Alt Estuaries SPA'.</i></p>
Table 1.76, Table 1.92 Paragraphs 1.6.3.177, 1.6.3.197 and 1.6.3.304	<p>The following text in Table 1.76 and Table 1.92 of APP-017 "E2.3 Habitats Regulations Assessment Stage 2 Information to Support an Appropriate Assessment Part Three – Special Protection Areas (SPA) and Ramsar Site assessments" contains the following errata, and should read:</p> <p>This equates to a lifetime (assuming 35 years for Morecambe and 35 years for Morgan) reburial <u>intertidal cable repair and reburial</u> of 40.5 <u>11</u> km for Morgan and 44.9 <u>13.1</u> km for Morecambe, or 22.4 <u>24.1</u> km for both combined.</p> <p>The corresponding text in sections 1.6.3.177, 1.6.3.197, and 1.6.3.304 should also be updated.</p>

1.11 Cable Specification and Installation Plan

Table 1.10: Outline Offshore Cable Specification and Installation Plan (APP-220) errata

Document section	Description of errata
6.3.1.4	<p>The following text contains errata and should read:</p> <p>Based on pre-application surveys and desk top studies, a conservative estimate of up to 25 UXO are assumed to require clearance (24 <u>22</u> for the Morgan Offshore Wind Project and four <u>three</u> for the Morecambe Offshore Wind Project).</p>

1.12 Technical Engagement Plan

Table 1.11: Technical Engagement Plan (APP-189) errata

Document section	Description of errata
Table 1.20	<p>The following Marine Navigation Engagement Forum consultation meetings should be added to Table 1.20 10 November 2021; 6 May 2022; 10 October 2022; 8 February 2024.</p> <p>This is in line with engagement undertaken by Morgan OWL and Morecambe OWL from the inception of the projects and relates to comprehensive engagement for both the Generation Assets and the Transmission Assets.</p>