



**Cyfoeth
Naturiol**
Cymru
**Natural
Resources**
Wales

Marine Licensing Decision

The Marine and Coastal Access Act (2009)

Applicant: Llŷr Floating Wind Limited

Application reference no: ORML2465

The Project comprises of the construction, installation, operation, maintenance and subsequent decommissioning of a floating offshore wind farm, consisting of up to 10 offshore Wind Turbine Generators (WTGs) located approximately 35 km from the Pembrokeshire coast in the Celtic Sea.

19 June 2026

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OUR DECISION

Based on all the information available, and having regard to all relevant considerations NRW MLT has decided grant the marine licence sought by the Application subject to the conditions set out in Annex 1.

This decision document:

- explains how the application has been determined, having regard to the relevant legal framework outlined in section 5;
- explains how relevant considerations have been taken into account and how each of the legal requirements have been considered in determining the Application;
- provides a record of the decision-making process; and
- sets out the reasons for any conditions imposed in connection with any marine licence granted pursuant to the Application.

1 APPLICATION DETAILS

1.1 The Application

Applicant Name and Address	The Applicant is the company set out below: Company name: Llŷr Floating Wind Limited Company number: SC608546 Address: The Boathouse, Hawkcraig Road, Aberdour, United Kingdom, KY3 0TZ
Application Reference Number	ORML2465
Date Application was duly made	01 November 2024
Proposal[s] covered by the application	The construction, installation, operation, maintenance and subsequent decommissioning of a floating offshore wind farm, consisting of up to 10 offshore Wind Turbine Generators (WTGs) located approximately 35km from the Pembrokeshire coast in the Celtic Sea. (the Project)
Licensable marine activities	<u>Array Construction</u> <ul style="list-style-type: none">• Construction of up to 10 offshore Wind Turbine Generators (WTGs), associated floating platforms, mooring systems, anchors and piles.• <i>WTGs and floating platform parameters are detailed in Annex 2.</i>• <i>Mooring system and anchor design parameters are detailed in Annex 3.</i> <u>Cable Installation</u> <ul style="list-style-type: none">• Installation of inter array cables and offshore export cables.• Installation includes Horizontal Directional Drilling (HDD) beneath the intertidal zone, trenching, jet trenching, ploughing, surface laying and installation of cable and scour protection.

	<ul style="list-style-type: none"> • Installation also includes path clearance consisting of sand wave clearance (as detailed in Activity 6), pre-lay grapnel run and boulder clearance. • <i>Cabling parameters are detailed in Annex 4.</i> <p><u>Operation and Maintenance Activities</u></p> <ul style="list-style-type: none"> • Operation and maintenance of up to 10 offshore Wind Turbine Generators (WTGs), associated floating platforms, mooring systems, anchors, piles, inter-array cables and offshore export cables over the operational lifetime of the Project. • Activities will include routine and reactive inspection, monitoring, maintenance and repair of WTGs, floating platforms, mooring lines and anchors. • Maintenance of inter-array and offshore export cables may include inspection, re-burial, installation of additional cable protection, or cable repair or replacement where required. • WTGs may be temporarily disconnected and, if necessary, towed to port for major maintenance before reinstallation. • <i>Project parameters are detailed in Annex 2, 3 and 4.</i> <p><u>Decommissioning Activities</u></p> <ul style="list-style-type: none"> • Decommissioning of up to 10 Wind Turbine Generators (WTGs) and associated infrastructure at the end of the Project’s operational life. This will broadly reverse the installation process and include disconnection and recovery of inter-array and offshore export cables. <p><u>Sandwave Levelling</u></p> <ul style="list-style-type: none"> • Sandwave levelling to allow operation of cable burial equipment and ensure adequate burial depth. • A Mass Flow Excavator (MFE) and/or Trailer Suction Hooper Dredger (TSHD) will be used with any materials removed returned as close to the point of removal as possible within the deposit location. • Maximum sandwave levelling duration to take up to 30 days as part of the construction phase of the Project and take place along five Dredge Zones. Maximum length of export cable requiring sandwave levelling (per cable) is up to 10,351m with a maximum of 25m width of seabed disturbance. <p>(the Proposed Activities)</p>
Marine Plan Area	Welsh inshore region and Welsh offshore region
Application documents:	Approved supporting documents are detailed in Annex 6.

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2 APPLICATION PROCEDURE

2.1. The Application

The Application was accepted by Natural Resources Wales (NRW) Marine Licensing Team (MLT) considered duly made on 01 November 2024. This means NRW MLT considered it was in the correct form and contained sufficient information to begin our determination, but not that it necessarily contained all the information we needed to complete that determination, and the documents considered may therefore include documents provided after the Application was first made.

2.2. Documents considered

In reaching its decision, NRW MLT has considered the documents listed in Annex 6 of this decision document along with such other information provided by the Applicant or received by consultees as NRW MLT considered relevant.

2.3. Commercial Confidentiality

The Applicant made no claim that any information forming part of the Application was subject to commercial confidentiality and we have not received any information in relation to the Application that appears to be commercially confidential.

2.4. Publicity and advertising

In compliance with s. 68 of the Marine and Coastal Access Act 2009 (the 2009 Act) and regulation 16 of the Marine Works (Environmental Impact Assessment) Regulations 2007, a public notice advertising the Project was placed in Western Telegraph and Milford Mercury on 27 November & 04 December 2024 (the Public Notices) and a notice was published on NRW's website. The application documents were made available to the public at Pembrokeshire County Council, The Riverside Library, Gallery and Visitor Information, Off Swan Square, SA61 2AN and at Pembroke Dock Library, Water Street, Pembroke Dock, SA72 6DW. They could also be requested from Natural Resources Wales MLT.

The public were given a period of 42 days from the date of the first Public Notice to provide comments on the application.

One public response was received in response to the Public Notice. All representations have been considered in coming to our decision. Details of our considerations can be found in section 5.

Following submission of further information on 23 May 2025, public notices were advertised to notify interested parties of the provision of further information and give interested parties or members of the public the opportunity to make representation on the application and further information submissions as necessary.

The application documents and further information submission were made available as follows:

- A translated public notice was advertised on the NRW Consultation Hub and on the Applicants website on 16 June 2025. Due to the nature of the further information and as only public representation was received during the initial consultation, no newspaper notice was published.
- The application documents and further information were made available to the public at Pembrokeshire County Council, The Riverside Library, Gallery and Visitor Information, Off Swan Square, SA61 2AN for 42 days following the publication of the notice on the websites. Documents were also available for inspection via the NRW public register.

No public representations were received in response to the Public Notice advertised on the 16 June 2025.

Following submission of further information on 30 January 2026, public notices were advertised to notify interested parties of the provision of further information and give interested parties or members of the

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public the opportunity to make representation on the application and further information submissions as necessary.

The application documents and additional further information submission were made available as follows:

- A translated public notice was advertised on the NRW Consultation Hub and on the Applicants website on 05 February 2026. Due to the nature of the additional further information and only receiving one response during the initial consultation, no newspaper notice was published.
- The application documents and additional further information were made available to the public at Pembroke Dock Library, Water Street, Pembroke Dock, Pembrokeshire, SA72 6DW for 42 days following the publication of the notice on the websites. Documents were also available for inspection via the NRW public register.

No public representations were received in response to the Public Notice advertised on the 05 February 2026.

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NRW MLT considered it appropriate to consult the bodies listed in the table below on 26 November 2024, due to their particular expertise. These bodies were consulted for a period of 42 days. For those bodies which responded to the consultation an 'Y' can be found in the response received column, and those which did not respond to the consultation an 'N':

Consultee	Response received (Y/N)	Date(s) of receipt
The Crown Estate (TCE)	Y	06 January 2025
Natural Resources Wales Advisory (NRW A)	Y	29 January 2025
Ministry of Defence (MoD)	Y	20 January 2025
UK Hydrographic Office (UKHO)	Y	11 December 2024
Maritime & Coastguard Agency (MCA)	Y	07 January 2025
Trinity House (TH)	Y	14 January 2025
Royal Yachting Association (RYA)	Y	06 January 2025
Local Biodiversity Officer	N	
Pembrokeshire County Council (PCC)	N	
Pembrokeshire Coast National Park Authority (PCNPA)	N	
Local Port Authority - Milford	N	
Local Port Authority - Fishguard	N	
Local Port Authority - Porthclais	N	
Local Port Authority - Saundersfoot	N	
Local Harbour Authority	N	
Welsh Fishermen's Association (WFA)	Y	08 January 2025
National Federation of Fishermen's Organisations (NFFO)	Y	08 January 2025
Royal Society for the Protection of Birds (RSPB)	Y	08 January 2025
Welsh Government Marine and Fisheries Division/Welsh	Y	29 January 2025

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Government Marine Enforcement Officers		
Cadw	Y	15 January 2025
Welsh Archaeological Trust (WAT)	Y	13 December 2024
Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)	Y	12 December 2024
Environmental Public Health Service Wales	Y	04 December 2024
Department for Transport (DFT)	N	
UK Chamber of Shipping (CoS)	Y	08 January 2025
NERL Safeguarding	Y	28 December 2024
Department for Transport – Wrecks	N	
Joint Nature Conservation Committee (JNCC)	Y	22 January 2025
Civilian Aviation Authority	N	
Department for Energy Security and Net Zero (DESNZ)	N	

Consultees who did not provide a response were assumed to have no comment.

Following a submission of further information on 23 May 2025, NRW MLT considered it appropriate to consult the bodies listed in the table below on 17 June 2025, due to their particular expertise. These bodies were consulted for a period of 42 days. For those bodies which responded to the consultation an 'Y' can be found in the response received column, and those which did not respond to the consultation an 'N':

Consultee	Response received (Y/N)	Date(s) of receipt
The Crown Estate (TCE)	N	
Natural Resources Wales Advisory (NRW A)	Y	29 July 2025
Natural England (NE)	Y	28 July 2025
Ministry of Defence (MoD)	Y	26 June 2025 29 July 2025 11 November 2025

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UK Hydrographic Office (UKHO)	Y	27 June 2025
Maritime & Coastguard Agency (MCA)	Y	07 July 2025
Trinity House (TH)	Y	29 July 2025
Royal Yachting Association (RYA)	Y	28 July 2025
Local Biodiversity Officer	N	
Pembrokeshire County Council (PCC)	N	
Pembrokeshire Coast National Park Authority (PCNPA)	Y	07 July 2025 14 July 2025
Local Port Authority - Milford	N	
Local Port Authority - Fishguard	N	
Local Port Authority - Porthclais	N	
Local Port Authority - Saundersfoot	N	
Local Harbour Authority	N	
Welsh Fishermen's Association (WFA)	N	
National Federation of Fishermen's Organisations (NFFO)	N	
Royal Society for the Protection of Birds (RSPB)	N	
Welsh Government Marine and Fisheries Division/Welsh Government Marine Enforcement Officers	Y	29 July 2025
Cadw	Y	28 July 2025
Welsh Archaeological Trust (WAT)	Y	27 July 2025
Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)	Y	08 July 2025
Environmental Public Health Service Wales	Y	17 June 2025
Department for Transport (DFT)	N	

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UK Chamber of Shipping (CoS)	N	
NERL Safeguarding	Y	20 June 2025
Department for Transport – Wrecks	N	
Joint Nature Conservation Committee (JNCC)	Y	29 July 2025
Civilian Aviation Authority	N	
Department for Energy Security and Net Zero (DESNZ)	N	

Consultees who did not provide a response were assumed to have no comment.

Following a submission of further information on 30 January 2026, NRW MLT considered it appropriate to consult the bodies listed in the table below on 06 February 2026, due to their particular expertise. These bodies were consulted for a period of 42 days. For those bodies which responded to the consultation an 'Y' can be found in the response received column, and those which did not respond to the consultation an 'N':

Consultee	Response received (Y/N)	Date(s) of receipt
The Crown Estate (TCE)	Y	09 February 2026
Natural Resources Wales Advisory (NRW A)	Y	16 March 2026
Natural England (NE)	Y	19 March 2026
Ministry of Defence (MoD)	Y	19 March 2026
UK Hydrographic Office (UKHO)		
Maritime & Coastguard Agency (MCA)	Y	13 March 2026
Trinity House (TH)	Y	20 March 2026
Royal Yachting Association (RYA)	Y	09 February 2026
Local Biodiversity Officer	N	
Pembrokeshire County Council (PCC)	Y	16 March 2026
Pembrokeshire Coast National Park Authority (PCNPA)	Y	25 February 2026
Local Port Authority - Milford	N	
Local Port Authority - Fishguard	N	
Local Port Authority - Porthclais	N	

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Local Port Authority - Saundersfoot	N	
Local Harbour Authority	N	
Welsh Fishermen's Association (WFA)	Y	11 February 2026
National Federation of Fishermen's Organisations (NFFO)	Y	11 February 2026
Royal Society for the Protection of Birds (RSPB)	N	
Welsh Government Marine and Fisheries Division/Welsh Government Marine Enforcement Officers	N	
Cadw	Y	12 March 2026
Welsh Archaeological Trust (WAT)		
Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)	Y	09 February 2026
Environmental Public Health Service Wales	Y	13 March 2025
Department for Transport (DFT)	N	
UK Chamber of Shipping (CoS)	Y	20 February 2026
NERL Safeguarding	Y	06 February 2026
Department for Transport – Wrecks	N	
Joint Nature Conservation Committee (JNCC)	Y	18 March 2026
Civilian Aviation Authority	N	
Department for Energy Security and Net Zero (DESNZ)	N	

Consultees who did not provide a response were assumed to have no comment.

NRW MLT has had regard to all consultation responses received in making its decision. Where these have impacted on NRW MLT's decision making, this has been noted in the relevant paragraph in section 5 of this decision document.

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4 ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

Council Directive 2011/92/EU (as amended) on the assessment of the effects of certain public and private projects on the environment (“the EIA Directive”) aims to protect the environment and the quality of life by ensuring that projects which are likely to have significant environmental effects by virtue of their nature, size or location are subject to an EIA before permission is granted.

The Marine Works (Environmental Impact Assessment) Regulations 2007 (“the Regulations”) transpose the EIA Directive in Wales and England for marine licence applications.

4.1 Screening

The application was considered by NRW MLT to constitute an EIA development under the Regulations, and a Screening Opinion (ref SC2202) was issued on 05 July 2022.

Pursuant to Regulation 8 of the Regulations, NRW MLT considered that the proposed works fell under Schedule A2, para 21 of the Regulations on the assessment of the effects of the project on the environment, specifically:

21. Installations for the harnessing of wind power for energy production (wind farms).

4.2 EIA

The Marine Licence application required for the Project was accompanied by an Environmental Statement (ES). NRW MLT assessed the project as an EIA development under the Regulations and issued a Written Confirmation of the EIA Consent Decision on 19 June 2026. The Written Confirmation is available on the NRW website and the marine licensing public register. NRW MLT is satisfied that the information incorporated in the EIA Consent Decision is up to date at the time of this decision.

In accordance with Regulation 24 of the Regulations, the following information is included in subsequent sections of this document:

- Conclusion of the EIA assessment
- Any conditions, mitigating and monitoring measures described in the regulatory decision
- Description of features/measures to avoid, prevent, reduce and offset likely significant adverse effects on the environment
- The main reasons and considerations on which this regulatory decision is based
- A summary of the results of consultations undertaken and how these have been incorporated into this regulatory decision

4.3 Conclusion of the EIA

NRW MLT issued a Written Confirmation of the EIA Consent Decision on 19 June 2026, containing the conclusion about Environmental Impact arising from the project and the EIA Consent Decision. In reaching the conclusion, NRW MLT considered the following information:

- The application for a Marine Licence
- The Environmental Statement submitted
- Any further information provided
- The responses to public consultation
- The responses to the technical consultation

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- Any comments received from another EEA state
- Any features of the project, or proposed measures, to avoid, prevent, reduce or offset any likely significant adverse environmental effects

NRW MLT considered the likely significant effects of the project, and reached a conclusion on the likely significant effects of the project with regard to the following:

- Population and human health
- Biodiversity
- Land, soil, water, air and climate
- Material assets, cultural heritage and landscape
- Risk of major accidents and disasters relevant to the project
- Cumulative impacts and in-combination impacts

A summary of the conclusion on the likely significant effects of the project is incorporated below. Full details of the conclusion on the likely significant effects of the project can be found in the Written Confirmation of the EIA Consent Decision.

4.3.1 Population and human health

NRW MLT has considered the potential effects of the Project on population and human health, including those arising from noise, air quality, traffic, socio-economics, recreation and tourism.

During construction, there is the potential for temporary disturbance to local communities arising from increased traffic, noise, dust and visual intrusion associated with onshore works, including the landfall, Onshore Export Cable Corridor (OnECC) and substation. However, these effects are localised, temporary and reversible, and are mitigated through measures including a Construction Environment Management Plan (CEMP), Construction Traffic Management Plan (CTMP), and good practice construction methods.

Operational impacts on population and human health are limited, with negligible traffic generation and no significant noise or air quality effects predicted. The presence of the onshore substation results in minor adverse but not significant effects on nearby receptors, which will reduce further over time due to embedded landscape mitigation.

The Project will contribute positively to socio-economic receptors through employment opportunities, support to the local and regional economy, and contribution towards renewable energy generation and climate change objectives.

NRW MLT concludes that, subject to the mitigation and conditions secured through the Marine Licence and other consenting regimes discussed in section 8, the Project will not give rise to significant adverse effects on population and human health.

4.3.2 Biodiversity

NRW MLT has considered the potential effects of the Project on biodiversity, including terrestrial and marine ecology, designated sites, protected species, and ecological processes.

Potential impacts during construction include temporary habitat loss, disturbance to species (including terrestrial species such as bats, otter, dormouse), seabed disturbance, and potential effects on marine mammals, fish, benthic ecology and ornithology. These impacts are largely localised, temporary and reversible.

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Operational impacts are generally limited to permanent loss of small areas of low ecological value habitat, minor disturbance from infrastructure, and potential collision or displacement risks for marine ornithology.

The Applicant has embedded a range of mitigation measures within the Project design and has committed to further mitigation and monitoring secured through conditions, including but not limited to:

- Construction Environmental Management Plan (CEMP);
- Marine Mammal Management Plan (MMMP);
- Biosecurity Risk Assessment and Management Plan (BRAMP);
- Cable Burial Risk Assessment (CBRA) and Cable Specification and Installation Plan (CSIP);
- Project Environment Management Plan (PEMP); and
- Protected species mitigation plans (including bat and otter mitigation).

A Habitat Regulations Assessment (HRA) has been completed and concluded that, subject to measures detailed above, the Project will not adversely affect the integrity of any European site, either alone or in-combination with any other project.

NRW MLT is satisfied that subject to appropriate mitigation impact on biodiversity are not significant and consider the Project complies with relevant legislative requirements.

4.3.3 Land, soil, water, air and climate

NRW MLT has considered the effects of the Project on land, soil resources, geology, hydrogeology, surface water, groundwater, marine water and sediment quality, air quality and climate.

Construction activities have the potential to give rise to temporary effects including soil disturbance, sediment mobilisation, pollution risks to land and water, and dust emissions. These risks are mitigated through the implementation of embedded best practice measures, including pollution prevention measures, soil management, and use of Horizontal Directional Drilling (HDD) at landfall.

Operational effects are limited, with no significant impacts identified on soil function, water quality, or air quality. Surface water management at the substation and full reinstatement of land following construction further minimise long-term effects.

The Water Framework Directive (WFD) assessment concluded that the Project will not cause deterioration in status of any WFD water body nor prevent achievement of good status, subject to adherence to appropriate mitigation measures.

The Project contributes positively to climate objectives through the generation of renewable energy, supporting the transition to a low-carbon economy.

NRW MLT concludes that, with the implementation of appropriate mitigation the Project will not result in significant adverse effects on land, soil, water, air or climate.

4.3.4 Material assets, cultural heritage and landscape

NRW MLT has considered effects on material assets, cultural heritage and both terrestrial and seascape landscape character.

Potential impacts during construction include temporary disturbance to agricultural land, traffic infrastructure, and the setting of heritage assets, as well as temporary landscape and visual effects. These impacts are short-term and reversible.

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Operational effects include the permanent presence of the onshore substation and offshore infrastructure. The offshore infrastructure was determined to have an adverse effect however NRW MLT consider it is appropriate to proceed in line with Policy SOC_07 of the Welsh National Marine Plan (WNMP) due to the overriding benefits of the project including through its contribution to energy generation.

Marine archaeology impacts are mitigated through pre-construction surveys and implementation of a Protocol for Archaeological Discoveries (PAD) and Written Scheme of Investigation (WSI) which includes identification of Archaeological Exclusion Zones (AEZs).

Impacts on material assets, including commercial fisheries and shipping, have been assessed and are mitigated through project design, navigation risk assessment, and stakeholder engagement.

4.3.5 Risk of major accidents and disasters relevant to the project

NRW MLT has considered the vulnerability of the Project to major accidents and disasters, including those arising from extreme weather events, pollution incidents, and accidental damage (e.g. cable exposure, vessel interaction or infrastructure failure).

The ES includes an assessment of major accidents and disasters and identifies that, with appropriate design and mitigation measures in place, the likelihood of such events is low.

The Applicant has committed to a range of mitigation measures and management plans, including:

- Marine Pollution Contingency Plan (MPCP);
- Emergency Response Cooperation Plan (ERCoP); and
- Adherence to relevant safety and navigational requirements.

NRW MLT is satisfied that the Project incorporates appropriate design, mitigation and management measures to minimise risks, and that any residual risks are not significant.

4.3.6 Cumulative impacts and in-combination impacts

NRW MLT has considered the potential for cumulative and in-combination effects arising from the Project in conjunction with existing, consented and reasonably foreseeable developments.

The ES includes a comprehensive assessment of cumulative effects across all environmental topics, including marine ecology, ornithology, landscape, shipping, fisheries and socio-economics.

In most cases, cumulative effects are assessed as minor or negligible and not significant. Where moderate cumulative effects are identified in theoretical scenarios, the Project is considered a minor contributor and does not materially alter the overall assessment.

The Habitat Regulations Assessment (HRA) also considered in-combination effects on European sites and concluded no adverse effect on integrity, subject to mitigation.

NRW MLT is satisfied that cumulative and in-combination effects have been appropriately assessed and that no significant adverse cumulative impacts will arise. NRW MLT consider that projects coming forward in future will be expected to consider their in-combination impact with the Llŷr development.

4.4 EIA Consent Decision

NRW MLT issued a Written Confirmation of the EIA Consent Decision which provides a conclusion on the environmental impacts arising from the project. NRW MLT concluded that the environmental impacts of the Project have been adequately identified, described and assessed. Accordingly, NRW MLT concluded a favourable determination and that EIA consent for the project should be given.

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4.5 Mitigation and monitoring requirements

The Written Confirmation of the EIA Consent Decision issued by NRW MLT on 19 June 2026, highlighted the mitigation or monitoring requirements required to be attached to the regulatory consent. These are set out below:

- Licence conditions will be required to ensure Pre-Construction Ecological and Archaeological Surveys are carried out prior to commencement of Licensed Activities, the results of the survey should inform mitigation requirement incorporated into a number of other Project Plans. The survey specification will need to be submitted to and approved by the Licensing Authority prior to commencement.
- Licence conditions will be required to ensure the Project (Array) Layout Plan is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Cable Specification and Installation Plan (CSIP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Cable Burial Risk Assessment (CBRA) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Cable Mitigation Scheme and Communications Protocol is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities within range danger areas D113A and D113B.
- Licence conditions will be required to ensure a Construction Environment Management Plan (CEMP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Project Environment Management Plan (PEMP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Lighting Marking and Management Plan (LMMP) (which will include the Aviation Lighting Scheme) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure an Air Traffic Control Radar Mitigation Scheme (ATCRMS) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure that other than for the purpose of testing radar mitigation, no wind turbine erected as part of this development is permitted to rotate its rotor blades about its horizontal axis until the Performance results of the Air Traffic Control Radar Mitigation Scheme (ATCRMS) have been submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Primary Radar Mitigation Scheme is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Water Quality Pollution Management Plan (WQPMP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Marine Pollution Contingency Plan (MPCP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.

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- Licence conditions will be required to ensure a Emergency Response Cooperation Plan (ERCoP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Marine Mammal Management Plan (MMMP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure an Otter Mitigation Plan is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Biosecurity Risk Assessment and Management Plan (BRAMP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Aids to Navigation Management Plan (AtNP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Vessel Management Plan (VMP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure Navigational Monitoring is carried out prior to commencement of Licensed Activities and during operations. The monitoring specification will need to be submitted to and approved by the Licensing Authority prior to commencement.
- Licence conditions will be required to ensure a Fisheries Liaison and Coexistence Plan (FLCP) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Written Scheme of Investigation (WSI) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Protocol for Archaeological Discoveries (PAD) is submitted to and approved by the Licensing Authority prior to the commencement of Licensed Activities.
- Licence conditions will be required to ensure a Post Construction As-Built Report, which will detail the location of infrastructure, is submitted to and approved by the Licensing Authority following the completion of Licensed Activities.
- Licence conditions will be required to ensure a Cable Maintenance Plan is submitted to and approved by the Licensing Authority prior to the commencement of Maintenance Activities.
- Licence conditions will be required to ensure a Decommissioning Environment Management Plan (DEMP) is submitted to and approved by the Licensing Authority prior to the commencement of Decommissioning Activities.
- Licence conditions will be required to ensure devices are monitored in case of damage. If damage is identified, Trinity House, Maritime and Coastguard Agency, Kingfisher Information Service of Seafish, UKHO and the Licensing Authority and Enforcement Officers will need to be notified.
- Licence conditions will be required to ensure mariners are notified in the event of cable exposure.
- Licence conditions will be required to ensure that rock protection is only used where adequate burial cannot be achieved and that exact locations are reported to the Licensing Authority.

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- Licence conditions will be required to ensure all structures are painted yellow (colour code RAL 1023) from at least the waterline height and that the remainder of the structures are painted grey (colour code RAL 7053).
- Licence conditions will be required to ensure any depth reductions resulting from the Works do not compromise safe navigation and that there is no more than 5% reduction in surrounding depth referenced to Chart Datum.
- Licence conditions will be required to ensure floating devices and any devices suspended in the water column must have a Third-Party verification of the mooring arrangements.
- Licence conditions will be required to ensure Trinity House, HM Coastguard, Local Mariners, Fishermen's Organisations, UK Hydrographic Office, The Kingfisher Information Service, The Ministry of Defence, Castlemartin Training Area, Marine Enforcement Officers and the Licensing Authority, are notified prior to the commencement of Licensed Activities and following completion.
- The onshore works fall outside the jurisdiction of the Marine Licence; however, NRW MLT are content that a Section 36 and Planning Permission is currently being determined by another consenting authority, PEDW, for the Project and know of no reason why measures proposed and discussed in section 7 could not be secured. Mitigation which has been identified or proposed by the Applicant in relation to the deemed planning permission includes but is not limited to:
 - Adherence to a Landscape Environment Management Plan (LEMP);
 - Adherence to a Construction Dust and Air Quality Management Plan;
 - Adherence to a Construction Traffic Management Plan (CTMP);
 - Adherence to a Bat Mitigation Plan; and
 - Financial contribution for the implementation of visual enhancement measures secured through a Section 106 planning obligation legal agreement.

NRW MLT has considered these requirements in making this regulatory decision. The conditions attached to the Marine Licence are set out in Annex 1, including reasons for the inclusion of each condition.

4.6 Consideration of consultations undertaken

The consultation process described in section 2.4 and section 3 of this document was undertaken to ensure comment was received from appropriate parties.

A Transboundary Screening Assessment did not identify potential for effects to any other EEA State.

NRW MLT has had regard to consultation responses in making the regulatory decision. Where these have impacted on the NRW MLT decision making, this has been noted in the relevant paragraph in section 5 of this decision document.

4.7 Description of features/measures to avoid, prevent, reduce and offset likely significant adverse effects on the environment

In reaching the Conclusion about Environmental Impact (Regulation 21A of the Regulations), NRW MLT must have consideration of any features of the project, or proposed measures, to avoid, prevent, reduce or offset any likely significant adverse environmental effects (regulation 21A (1)(f)).

NRW MLT considers that the following features of the project, or measures included within the project proposal, as described in the application form, ES and other supporting information, would avoid, prevent, reduce or offset any likely significant adverse environmental effects:

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- The onshore export cable will be placed underground and reinstatement of above ground vegetation as part of construction will be carried out to remove the visual effects of the onshore export cable during operation.
- The onshore substation has been positioned outside the Pembrokeshire Coast National Park (PCNP) and in an area already influenced by development, this helps to minimise potential effects on the PCNP and other sensitive landscapes.
- Turbines have been positioned 35km off the Pembrokeshire Coast and limited in height to 300m to reduce visual impacts on the PCNP and other sensitive landscapes.
- Adherence to Lighting Plans to reduce impacts on sensitive species, visual impacts, and to ensure navigation and aviation safety.
- Adherence to a Construction Environment Management Plan (CEMP) to ensure a range of measures are implemented to reduce impacts across a number of receptors during construction activities.
- Horizontal Directional Drilling (HDD) technology will be used onshore to avoid physical impacts on heritage assets, and at landfall to avoid disturbance of sensitive habitats (e.g. dune system) and reduce impacts on the beach and bathing waters.
- Non-toxic drilling fluid will reduce impacts to the marine environment.
- Archaeological Exclusion Zones (AEZs) will be developed and applied to ensure in-situ preservation of identified marine archaeological and cultural heritage assets.
- All works will be undertaken in accordance with the project-specific Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) to ensure the implementation of marine archaeological mitigation.
- The onshore export cable will avoid higher quality agricultural land to ensure that the maximum productive farmable area remains operational.
- The onshore export cable and access tracks will be positioned to the edge of fields, in field boundaries, or through less productive areas of individual fields to ensure that the maximum area of productive land remains in agricultural use during the construction period.
- Adherence to a Construction Traffic Management Plan (CTMP) to ensure appropriate mitigation measures are implemented to reduce the impacts on traffic and transport.
- Adherence to a Construction Dust and Air Quality Management Plan to ensure appropriate mitigation measures are implemented to manage construction dust and reduce the impacts air quality.
- Adherence to a Decommissioning Environment Management Plan (DEMP) to ensure appropriate mitigation measures are implemented during decommissioning activities to reduce impacts across a number of receptors.
- Offshore Export Cable Corridor (OfECC) has been chosen to avoid sensitive features including Turbot Bank and St Gowan Shoal.
- Cable burial has been chosen as the preferred cable protection method to minimise the requirement for surface laid protection.
- All material that is dredged from the seabed will be disposed of close to the dredge location to ensure material is retained within the local sediment transport system.
- Adherence to a Cable Specification and Installation Plan (CSIP) to ensure measures are implemented during cable laying to reduce impacts across a number of receptors.

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- Adherence to a Water Quality Pollution Management Plan (WQPMP) to ensure appropriate measures are implemented to protect the water environment.
- Adherence to a Cable Burial Risk Assessment (CBRA) to ensure a range of measures are implemented to reduce impacts across a number of receptors.
- Micrositing for the offshore export cable will be utilised to avoid sensitive habitats, more specifically reef features.
- Adherence to a Biosecurity Risk Assessment and Management Plan (BRAMP) to ensure appropriate mitigation measures are implemented to reduce impacts as a result of introduction and the spread of INNS.
- Adherence to a Project Environment Management Plan (PEMP) which will detail the methods to avoid, minimise and mitigate potential environmental effects during the operational stage of the proposed Project across a number of receptors, including marine ornithology.
- Adherence to a Marine Pollution Contingency Plan (MPCP) to ensure measures are implemented to protect personnel working on the proposed Project and to safeguard the marine environment.
- Should impact piling be required, impact resulting from underwater noise has been reduced through the implementation of soft-start and ramp up procedures in line with guidance, as well as commitment to only carry out piling at one location at a time.
- Adherence to a Marine Mammal Management Plan (MMMP) to ensure a range of measures are implemented to reduce impacts on marine mammals.
- Adherence to a Fisheries Liaison and Coexistence Plan (FLCP) which will detail the planned approach to fisheries liaison which will include mitigation measures relevant to commercial fishing activity, as well as ensuring structured liaison between the Applicant and fishing industry to minimise effects on commercial fisheries.
- A Project (Array) Layout Plan will be developed prior to construction. The plan will set out the layout of the Array Area so it is compliant with relevant guidance.
- Adherence to a Vessel Management Plan (VMP) to ensure safe navigation that will include the commitment to best practice vessel handling protocols. As well as ensuring navigation safety the adopted measures will also minimise the potential for any impact on marine wildlife as a result of vessel traffic.
- Each wind turbine will have a minimum clearance between sea level and the lowest position of the blade of 22m to minimise impacts on navigation.
- Adherence to an Emergency Response Cooperation Plan (ERCoP) to ensure appropriate measures are implemented in response to an emergency.

4.8 Main reasons for this regulatory decision

The main reasons for the regulatory decision made are described in section 5 of this decision document.

The conclusion of this regulatory decision is stated in section 6 of this decision document.

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5 BASIS FOR OUR DECISION

In determining this application, including the terms on which it was granted, and the conditions attached to it, NRW MLT has had regard to the factors set out in section 5 below in accordance with the **Marine and Coastal Access Act 2009** (the **2009 Act**).

Under the 2009 Act NRW MLT is required to have regard to the following:

- the need to protect the environment (see section 5.1)
- the need to protect human health (see section 5.2)
- the need to prevent interference with legitimate uses of the sea (see section 5.3)
- in the case of an application for a licence to authorise construction, alteration or improvement of works within the UK marine licensing area, the effects of any use intended to be made of the works in question when constructed, altered or improved (considered, if relevant in sections 5.1 to 5.5 below)
- any representations which it has received from any person having an interest in the outcome of the application. (summarised in section 3 and where relevant considered in sections 5.1 to 5.5 below)
- such other matters as it thinks relevant (see section 5.5 below)

5.1 The need to protect the environment:

The reference to the “environment” includes the local and global environment; the natural environment; and, by virtue of section 115(2) of the 2009 Act, any site of historic or archaeological interest. The natural environment may include the physical, chemical and biological state of the sea, the sea-bed and the sea-shore, and the ecosystems within it, or those that are directly or indirectly affected by an activity, whether within the marine licensing area or otherwise.

In considering the need to protect the environment we have considered the relevant environmental legislation set out below.

5.1.1 Water Framework Directive, Groundwater Directive and Water Environment Regulations 2017

a) The legal framework

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (**Water Environment Regulations**) implement the requirements of the WFD (Directive 2000/60/EC) which requires consideration as to whether that proposals for development may cause deterioration or prevent a water body from achieving ‘good status’. Proposals likely to cause deterioration or prevent a waterbody from achieving good status should be rejected, unless derogation procedures have been applied.

Under the Water Environment Regulations, NRW MLT must exercise its relevant functions to ensure compliance with the requirements of the WFD, the Environmental Quality Standards Directive (Directive 2008/105/EC) and the Groundwater Directive (Directive 2006/118/EEC).

b) Factors relevant to our determination

NRW MLT has considered the potential effect of the Proposed Activities on the following WFD waterbodies:

- Milford Haven Inner (GB531006114100)
- Pickleridge Lagoon (GB610100084000)

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A Water Framework Directive Compliance Assessment has been undertaken for the Proposed Activities and taken into account in this decision. This assessment concludes that the Proposed Activities when considered alone and in-combination, will not pose a risk to deterioration in the status of any of the above listed waterbodies or jeopardise their attainment of good surface water status when undertaken in accordance with appropriate conditions. These are detailed below:

- Production and adherence to a Water Quality Pollution Management Plan (WQPMP) (Condition 3.28 detailed in Annex 1)
- Production and adherence to a Marine Pollution Contingency Plan (MPCP) (Condition 3.29 detailed in Annex 1)
- Production and adherence to a Biosecurity Risk Assessment and Management Plan (BRAMP) (Condition 3.33 detailed in Annex 1)
- Production and adherence to a Cable Burial Risk Assessment (CBRA) (Condition 3.21 detailed in Annex 1)
- Production and adherence to a Construction Environment Management Plan (CEMP) (Condition 3.23 detailed in Annex 1)
- Production and adherence to a Decommissioning Environment Management Plan (DEMP) (Condition 3.42 detailed in Annex 1)
- Production and adherence to a Project Environment Management Plan (PEMP) (Condition 3.24 detailed in Annex 1)

The Applicant has also committed to using Horizontal Directional Drilling (HDD) techniques through the intertidal area to limit impacts on bathing waters.

Further details are described within the Water Framework Directive Compliance Assessment.

5.1.2 Biodiversity and resilience of ecosystems duty

a) The legal framework

Section 6 of the **Environment Wales Act 2016** requires that we seek to maintain and enhance biodiversity in the exercise of our functions, and in so doing promote the resilience of ecosystems, in a manner that is consistent with the proper exercise of our functions.

b) Factors relevant to our determination

On 01 April 2026, the Welsh Government announced the publication of a revised Section 7 list of species and habitats under the Environment (Wales) Act 2016. The Applicant provided justification via email on 09 April 2026 as to why a revision to the ES is not considered necessary. NRW A confirmed that their advice, both terrestrial and marine, remained unchanged following publication of the revised Section 7 list. Therefore, NRW MLT are satisfied that habitat and species of principle importance under the Environment (Wales) Act 2016 have been appropriately considered.

NRW MLT is satisfied we have taken into account and had due regard to this duty in so far as it is consistent with the function of determining an application for a Marine Licence under the Marine and Coastal Access Act 2009.

5.1.3 European Protected Sites and Ramsar Sites

a) The legal framework

European sites are those designated under the Conservation of Habitats and Species Regulations 2017 (**Habitats Regulations 2017**) and the Conservation of Offshore Marine Habitats and Species Regulations 2017 (**Offshore Habitats Regulations 2017**) as Special Protection Areas (SPAs) and Special Areas of Conservation (SACs).

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The Habitats Regulations 2017 and the Offshore Habitats Regulations 2017 require that any project that is likely to have a significant effect on a European site or a European offshore marine site (either alone or in combination with other plans or projects) must be subject to an appropriate assessment. NRW MLT undertakes a Habitats Regulations Assessment (HRA) to establish whether an appropriate assessment is required.

In addition NRW MLT must exercise its functions under the 2009 Act so as to secure compliance with the requirements of the relevant European Directives. NRW MLT also has a duty under the Habitats Regulations 2017 to support wild birds by protecting habitats and avoiding pollution.

A Ramsar site is a wetland which has been designated under the Ramsar Convention. The Ramsar Convention does not place specific legal requirements on its parties (though Ramsar sites are often SSSIs or SPAs, considered below), however Ramsar status is considered by NRW MLT as matter of policy in its decision making.

b) *Factors relevant to our determination*

The effects of the proposal on the following European Sites, their features and conservation objectives have been considered by NRW MLT during the licence determination::

- Pembrokeshire Marine / Sir Benfro Forol SAC (UK0013116)
- Limestone Coast of South West Wales / Arfordir Calchfaen de Orllewin Cymru SAC (UK0014787)
- Cleddau Rivers / Afonydd Cleddau SAC (UK0030074)
- Carmarthen Bay and Estuaries / Bae Caerfyddin ac Aberoedd SAC (UK0020020)
- Cardigan Bay / Bae Ceredigion SAC (UK0012712)
- Afon Teifi / River Teifi SAC (UK0012670)
- River Tywi / Afon Tywi SAC (UK0013010)
- River Usk / Afon Wysg SAC (UK0013007)
- Severn Estuary Ramsar (UK11081)
- Severn Estuary / Môr Hafren SAC (UK0013030)
- River Wye / Afon Gwy SAC (UK0012642)
- West Wales Marine / Gorllewin Cymru Forol SAC (UK0030397)
- Bristol Channel Approaches / Dynesfeydd Môr Hafren SAC (UK0030396)
- North Anglesey / Gogledd Môn Forol SAC (UK0030398)
- Rockabill to Dalkey Island SAC (IE0003000)
- Nord Bretagne DH SAC (FR2502022)
- Mers Celtiques – Talus du golfe de Gascogne SAC (FR5302015)
- Roaringwater Bay and Islands SAC (IE0000101)
- Côte de Granit rose-Sept-Iles SAC (FR5300009)

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- North Channel SAC (UK0030399)
- Tregor Goëlo SAC (FR5300010)
- Baie de Morlaix SAC (FR5300015)
- Abers - Côte des légendes SAC (FR5300017)
- Ouessant-Molène SAC (FR5300018)
- Blasket Islands SAC (IE0002172)
- Chaussée de Sein SAC (FR5302007)
- Récifs du talus du golfe de Gascogne SAC (FR5302016)
- Lundy SAC (UK0013114)
- Saltee Islands SAC (IE0000707)
- Llyn Peninsula and the Sarnau / Pen Llyn a`r Sarnau SAC (UK0013117)
- Isles of Scilly Complex SAC (UK0013694)
- Lambay Island SAC (IE000204)
- The Maidens SAC (UK0030384)
- Slyne Head Islands SAC (IE000328)
- Inishbofin and Inishshark SAC (IE000278)
- Slieve Tooney / Tormore Island / Loughros Beg Bay SAC (IE000190)
- Duvillaun Islands SAC (IE000495)
- Horn Head and Rinclevan SAC (IE000147)
- Inishkea Islands SAC (IE000507)
- Treshnish Isles SAC (UK0030289)
- Monach Isles SAC (UK0012694)
- North Rona SAC (UK0012696)
- Skomer, Skokholm and the Seas off Pembrokeshire / Sgomer, Sgogwm a Moroedd Penfro SPA (UK9014051)
- Saltee Islands SPA (IE004002)
- Wicklow Head SPA (IE004127)
- Helvick Head to Ballyquin SPA (IE004192)
- Howth Head Coast SPA (IE004113)
- Ireland's Eye SPA (IE004117)
- Lambay Island SPA (IE004069)

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- Old Head of Kinsale SPA (IE0040210)
- Côte de Granit Rose-Sept-Iles SPA (FR5310011)
- Isles of Scilly SPA (UK9020288)
- Baie de Morlaix SPA (FR5300015)
- Ouessant-Molène SPA (FR5310072)
- Glannau Aberdaron ac Ynys Enlli / Aberdaron Coast and Bardsey Island SPA (UK9013121)
- Irish Sea Front SPA (UK9020328)
- Deenish Island and Scariff Island SPA (IE004175)
- Puffin Island SPA (IE004003)
- Skelligs SPA (IE004007)
- Blasket Islands SPA (IE004008)
- Cruagh Island SPA (IE004170)
- Rum SPA (UK9001341)
- St Kilda SPA (UK9001031)
- Cap d'Erquy-Cap Fréhel SPA (FR5300011)
- Dunes et côtes de Trévignon SPA (FR5312010)
- Archipel de Glenan SPA (FR5310057)
- Littoral seino-marin SPA (FR2310045)
- Baie de Quiberon SPA (FR5310093)
- Rivière de Pénerf SPA (FR5310092)
- Iles Houat-Hoedic SPA (FR5300033)
- Baie de Vilaine SPA (FR5310074)
- Estuaire de la Loire SPA (FR5210103)
- Urdaibaiko itsasadarra / Ría de Urdaibai SPA (ES0000144)
- Estuaire de la Bidassoa et baie de Fontarabie SPA (FR7212013)
- Maciço Montanhoso Oriental da Ilha da Madeira SPA (PTZPE0041)
- Grassholm / Ynys Gwales SPA (UK9014041)
- The Bull and The Cow Rocks SPA (IE004066)
- Ailsa Craig SPA (UK9003091)
- Pembrokeshire Bat Sites and Bosherton Lakes / Safleoedd Ystlum Sir Benfro a Llynnoedd Bosherton SAC (UK0014793)

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A Habitats Regulations Assessment of the Proposed Activities has been undertaken, and NRW A, JNCC and NE (as Statutory Nature Conservation Bodies) were consulted on the Habitat Regulations Assessment (HRA). In light of the conclusions of an appropriate assessment, and taking account of the advice received from protected sites advisors, it has been established that the project will not adversely affect the integrity of any European Designated Site, taking into account any conditions or restrictions as applicable, either alone or in-combination with other plans and projects.

These are detailed below:

- Production and adherence to a Biosecurity Risk Assessment and Management Plan (BRAMP) (Condition 3.33 detailed in Annex 1)
- Production and adherence to a Cable Burial Risk Assessment (CBRA) (Condition 3.21 detailed in Annex 1)
- Production and adherence to a Cable Specification and Installation Plan (CSIP) (Condition 3.20 detailed in Annex 1)
- Production and adherence to a Construction Environment Management Plan (CEMP) (Condition 3.23 detailed in Annex 1)
- Production and adherence to a Decommissioning Environment Management Plan (DEMP) (Condition 3.42 detailed in Annex 1)
- Production and adherence to a Project Environment Management Plan (PEMP) (Condition 3.24 detailed in Annex 1)
- Production and adherence to a Marine Mammal Management Plan (MMMP) (Condition 3.31 detailed in Annex 1)
- Production and adherence to a Vessel Management Plan (VMP) (Condition 3.35 detailed in Annex 1)
- Production and adherence to an Otter Mitigation Plan (Condition 3.32 detailed in Annex 1)

The conservation objectives were updated on 25 June 2025, during the further information consultation of the application. Whilst the HRA had been undertaken in line with the current conservation objectives, NRW MLT request that NRW A provide their advice in line with the new conservation objectives.

NRW MLT is therefore satisfied that the Proposed Activities, either alone or in combination with other plans or projects, will not adversely affect the integrity of European Sites when undertaken in accordance with appropriate conditions.

Further details are described within the Habitats Regulations Assessment.

5.1.4 European Protected Species

a) The legal framework

The Habitats Regulations 2017 and the Offshore Habitats Regulations 2017 also confer protection on certain designated species (European Protected Species). A licence (EPS licence) must be obtained in order, whether deliberately or accidentally, to capture, kill, disturb or injure such a species, damage or destroy their breeding or resting places or obstruct access to their resting or sheltering places.

b) Factors relevant to our determination

NRW MLT considers that the following protected species may be impacted by the Project:

- European Otter

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- Harbour porpoise
- Bottlenose dolphin
- Risso dolphin
- Common dolphin
- Minke whale

NRW MLT has taken into account the requirements for issuing an EPS licence in making this decision and is satisfied on the basis of the information it has considered that it is not unlikely that an EPS licence would be granted for the Project.

Any determination made as part of this decision are without prejudice to the consideration NRW is required to give an EPS licence application as the body with a statutory responsibility for its determination and do not constrain or bind NRW in exercising this function. Should an application for an EPS licence in relation to the Project be made it will be determined by NRW based on all the relevant information available to NRW at that time.

5.1.5 Marine Conservation Zones

a) The legal framework

Marine Conservation Zones (MCZ) were established under the 2009 Act to protect nationally important, rare or threatened habitats and species. The only currently designated MCZ in Wales is Skomer.

Under the 2009 Act, NRW MLT must exercise its functions in the manner which it considers best furthers the conservation objectives stated for any MCZ or, where that is not possible, in the manner which it considers least hinders the achievement of those objectives.

b) Factors relevant to our determination

The Project does not overlap with the Skomer MCZ and NRW MLT are satisfied that there is no significant risk of the Proposed Activities on the Skomer MCZ when undertaken in accordance with appropriate conditions.

5.1.6 Sites of Special Scientific Interest (SSSIs)

a) The legal framework

Sites of Special Scientific Interest are designated under the Wildlife and Countryside Act 1981 (**1981 Act**) and protected by law to conserve their wildlife or geology. NRW MLT must take reasonable steps, consistent with the proper exercise of its functions, to further the conservation and enhancement of the flora, fauna or geological or physiographical features by reason of which an SSSI is of special scientific interest.

b) Factors relevant to our determination

NRW MLT has considered the impact of the Project on the following sites:

- Broomhill Burrows SSSI
- Milford Haven Waterway SSSI
- Angle Peninsula Coast SSSI
- Gweunydd Somerton Meadows SSSI
- Castlemartin Range SSSI

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- Castlemartin Corse SSSI
- Orierton Stable Block and Cellars SSSI
- Scoveston Fort SSSI
- Stackpole SSSI
- Stackpole Courtyard Flats and Walled Garden SSSI
- Park House Outbuildings, Stackpole SSSI

A number of relevant notified features of the SSSIs are also interest features of Marine European Designated Sites. These will have been considered as part of the Habitat Regulations Assessment (HRA). Further detail is considered in section 5.1.3 above.

NRW MLT is satisfied that the Proposed Activities do not have the potential to impact on the above sites when undertaken in accordance with appropriate conditions.

5.1.7 The Waste (England and Wales) Regulations 2011**a) The legal framework**

The Waste (England and Wales) Regulations 2011 establish a legal framework for treating waste. This is designed to protect the environment and human health by emphasising the importance of proper waste management, recovery and recycling techniques to reduce pressure on resources and improve their use. Waste generated by a project or activity must in general terms be dealt with in an environmentally friendly way. To achieve this the Regulations describe a waste hierarchy which gives an order of preference for how waste is dealt with (prevention, re-use, recovery for other purposes such as energy, and finally disposal).

b) Factors relevant to our determination

NRW MLT is satisfied that the Proposed Activities meet the requirements of The Waste (England and Wales) Regulations 2011 when undertaken in accordance with appropriate conditions.

The Proposal seeks to dispose of dredge material as a result of sandwave levelling related to cable installation activities. The Applicant therefore proposes to dispose of the material as close as possible to the point of production. This is in line with NRW position on The Sustainable Management of Marine and Coastal Sediment (PS012) which sets that the preferred option when undertaking activities that require marine and coastal sediment removal or relocation is to retain the sediment as close as possible from where it originated, within the same sediment system. It is considered that the proposal is in line with this position.

NRW is content that disposal of dredge material as a result of sandwave levelling related to cable installation activities can take place and a new disposal site has been designated: LU171

5.1.8 Other matters considered relevant to the need to protect the environment

Issues not already discussed within this Decision Document but are considered relevant to the marine works are summarised below.

NRW MLT have had regard for the issues raised by consultees to ensure the environment is protected. These are detailed in full within Section 7 of the EIA Consent Decision and summarised below with reference to specific mitigation required to be secured through the Marine Licence.

Physical Environment

Consideration of Physical Environment is detailed within section 7.11 of the EIA Consent Decision.

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NRW A advised that the baseline characterisation of hydrodynamics, bathymetry and geomorphology was sufficient to inform the assessment, this was following clarification being provided on certain elements of the impact assessment methodology, including Horizontal Directional Drilling (HDD) construction, Suspended Sediment Concentration (SSC) plume modelling and cumulative effects. This included confirmation that the HDD exit pits will be backfilled using excavated material with seabed reinstatement, and that pits will not remain open for extended periods. Evidence was also provided to demonstrate that burial depths will ensure long-term stability, taking account of seabed variability.

Further detail was provided by the Applicant on the SSC plume modelling approach and assumptions, which NRW A accepted as appropriate. Additional cumulative assessments, including for SSC plumes and seabed processes in combination with the Erebus project was provided, that demonstrated that overlap and significant effects are unlikely due to localised impacts and rapid sediment dispersion.

NRW A also requested consideration of seabed recovery following sandwave levelling, and the Applicant confirmed that this could be incorporated into post-construction monitoring that will be undertaken. In addition, the Applicant demonstrated that cable protection measures will not result in unacceptable reductions in water depth and committed to further assessment through the Cable Burial Risk Assessment (CBRA).

NRW A welcomed the commitment to production and adherence to a Cable Specification and Installation Plan (CSIP) (condition 3.20) and CBRA (condition 3.21), that would include monitoring requirements.

NRW MLT consider it appropriate to secure the CSIP and CBRA to the Marine Licence.

On the basis of the additional information and commitments provided, NRW MLT is satisfied that impacts on the physical environment have been adequately assessed and are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Marine Water and Sediment Quality

Consideration of Marine Water and Sediment Quality is detailed within section 7.12 of the EIA Consent Decision.

NRW A considered the Applicant's assessment of Marine Water and Sediment Quality to be of a good standard, with appropriate impact pathways identified and assessed. They noted that the assessment could have been strengthened through site-specific contaminant sampling, rather than reliance on extrapolated data.

NRW A agreed that the outline Construction Environment Management Plan (CEMP) provides an appropriate framework, but emphasised the requirement for a final CEMP and a supporting Water Quality Pollution Management Plan (WQPMP), to be secured through licence conditions and approved prior to the commencement of Licensed Activities. The use of HDD through the intertidal zone and embedded mitigation measures were welcomed; however, NRW A requested that potential effects of accidental bentonite release on Bathing Water Quality be explicitly addressed. The Applicant confirmed this would be incorporated into the CEMP and WQPMP.

NRW A agreed with the Applicant's modelling of suspended sediment plumes, confirming that effects would be small, temporary and localised, with no adverse effects on site integrity, either alone or in combination. They also agreed that the risk of remobilising sediment-bound contaminants is low and that, with embedded mitigation measures such as spill response procedures and pollution prevention controls, accidental pollution would not result in significant effects.

NRW A supported the conclusion that the Project would not cause deterioration to any WFD waterbody, subject to the implementation of mitigation measures, including the commitment to produce and adhere to a CEMP (condition 3.23) and WQPMP (condition 3.28).

NRW MLT consider it appropriate to secure the CEMP and WQPMP to the Marine Licence.

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NRW A also welcomed commitments to provide detailed decommissioning methodology for approval and consider any decommissioning monitoring requirements prior to decommissioning works taking place. NRW A consider it appropriate to secure a Decommissioning Environment Management Plan (DEMP) to the Marine Licence (condition 3.42).

On this basis, NRW MLT is satisfied that Marine Water and Sediment Quality has been adequately assessed and that impacts are not significant, subject to mitigation that will be secured through licence conditions detailed in Annex 1.

Benthic Ecology

Consideration of Benthic Ecology is detailed within section 7.13 of the EIA Consent Decision.

NRW A and JNCC raised initial concerns regarding potential impacts on benthic ecology, including possible interaction with Annex I reef features, gaps in survey coverage, the need for clear habitat classification criteria, risks associated with artificial substrates, and the potential introduction and spread of invasive non-native species (INNS).

With respect to Annex I reef, NRW A advised that uncertainty remained in areas of limited survey coverage. The Applicant confirmed that routing has been designed to avoid known reef features, and that where uncertainty exists, measures such as securing cables to prevent movement and undertaking post-consent geophysical and geotechnical surveys will ensure impacts are avoided. NRW A and JNCC accepted this approach and raised no further concerns. NRW MLT consider it appropriate to secure these surveys alongside micrositing through the inclusion of licence conditions, ensuring the production and adherence to a Cable Burial Risk Assessment (CBRA) and Cable Specification and Installation Plan (CSIP), which would be approved in consultation with NRW A and JNCC (condition 3.18, 3.20 and 3.22)

Concerns regarding habitat differentiation and the risk of impacting low resemblance stony reef through activities such as boulder clearance were considered addressed through a commitment to develop clear identification classification criteria as part of the CBRA and CSIP, informed by recognised guidance and agreed with NRW A prior to works commencing.

Both NRW A and JNCC raised concerns regarding the potential introduction and spread of INNS. The Applicant committed to a risk-based monitoring approach and the preparation of a Biosecurity Risk Assessment and Management Plan. Commitments were also made to minimise the use of artificial materials where practicable. NRW A and JNCC were satisfied that, with these measures in place the risk from INNS is acceptable. NRW MLT consider it appropriate to secure a Biosecurity Risk Assessment and Management Plan through conditions of the Marine Licence (condition 3.33).

JNCC raised concerns regarding the assessment of decommissioning. The Applicant confirmed that a Best Practicable Environmental Option will be undertaken prior to decommissioning, and that a Decommissioning Environment Management Plan (DEMP), would be produced prior to decommissioning taking place. NRW consider it appropriate to secure a DEMP through conditions of the Marine Licence, the DEMP would be approved in consultation with relevant stakeholders including the JNCC and NRW A (condition 3.42).

On this basis, NRW MLT is satisfied that benthic ecology has been adequately assessed and that impacts, including habitat disturbance, reef interaction and INNS risk, are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Fish and Shellfish

Consideration of Fish and Shellfish is detailed within section 7.14 of the EIA Consent Decision.

NRW A agreed that, overall, the Project is unlikely to result in significant adverse effects on fish receptors, primarily due to the limited spatial footprint of the works and the short duration of impact piling. However, a number of concerns were raised in relation to assessment methodologies, species-specific impacts (particularly sandeel and herring), underwater noise thresholds, and the treatment of cumulative and in-combination effects.

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NRW A initially disagreed with the Applicant's approach to assessing cumulative impacts on sandeel and herring habitats, including the absence of a percentage-based assessment of habitat affected. In response, the Applicant provided quantitative estimates of temporary and permanent disturbance areas and clarified the assessment methodology. Although NRW A maintained some disagreement regarding presentation of impacts as a percentage of total habitat, they accepted the Applicant's quantification and confirmed no further work was required, given the limited spatial extent of impacts.

Additional information was provided on underwater noise impacts using cumulative sound exposure level (SEL_{cum}) thresholds, in line with best practice guidance. This demonstrated that effects on fish receptors are temporary and spatially limited. NRW A also noted that soft-start procedures proposed are not specifically designed for fish mitigation, but accepted that this does not materially affect the overall conclusions.

Clarifications were also provided in relation to baseline data limitations, Electromagnetic Fields (EMF) sensitivity, and cumulative impact pathways, which confirmed that all relevant impact pathways, including habitat disturbance, underwater noise, suspended sediment and EMF, had been appropriately considered and that predicted effects are small, localised and temporary.

On the basis of the additional information and clarifications provided, NRW MLT is satisfied that fish and shellfish receptors have been adequately assessed and that impacts are not significant.

Marine Mammals

Consideration of Marine Mammals is detailed within section 7.15 of the EIA Consent Decision.

NRW A and JNCC raised a number of concerns relating to the reliance on post-consent mitigation, underwater noise assessment, cumulative and in-combination effects, UXO clearance, and entanglement risks associated with floating offshore wind infrastructure. Both bodies emphasised that conclusions of no significant effect and no adverse effect on site integrity of European Designated Sites rely on mitigation measures being secured through licence conditions.

The Applicant addressed these concerns through submission of an updated outline Marine Mammal Management Plan (MMMP), committing to the preparation of a detailed MMMP prior to commencement of Licensed Activities. NRW A and JNCC welcomed these commitments and confirmed that, subject to appropriate conditioning, their concerns regarding reliance on mitigation have been addressed. NRW MLT consider it appropriate to secure a MMMP through conditions of the Marine Licence which would require approved in consultation with NRW A and JNCC (condition 3.31).

Further clarification was provided in relation to underwater noise assessment, including modelling assumptions, thresholds and use of cumulative sound exposure levels (SEL_{cum}). The Applicant demonstrated that predicted effects remain temporary, spatially limited and would not result in population-level impacts, even under extended piling scenarios. The updated outline MMMP commits to consideration of both SEL_{cum} and peak sound pressure levels, as well as the use of best practicable mitigation measures, which NRW A and JNCC supported.

Concerns relating to entanglement risk, including secondary and tertiary risks associated with marine debris, were addressed through commitments to monitoring, regular inspection of infrastructure, and debris removal, which would be incorporated into the final MMMP. NRW A and JNCC agreed that, subject to a robust monitoring and mitigation approach being agreed post consent, this impact pathway is adequately managed.

Cumulative effects, including underwater noise, barrier effects and entanglement, were also considered. The Applicant demonstrated that impacts remain below thresholds of concern at population level, supported by modelling and professional judgement. Commitments to further monitoring and adaptive management within the MMMP were welcomed by NRW A and JNCC.

UXO clearance is not included within the scope of this licence application and would require a separate application.

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On this basis, NRW MLT is satisfied that marine mammals have been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Marine Ornithology

Consideration of Marine Ornithology is detailed within section 7.16 of the EIA Consent Decision.

NRW A and JNCC agreed that the Project alone assessment is robust, with adequate survey coverage, species apportioning, displacement analysis and collision risk modelling. Both bodies concluded that the Project, when considered alone, would not result in significant effects for any ornithological receptors, including key species such as guillemot, puffin and gannet.

However, significant concerns were initially raised regarding the adequacy of the cumulative and in-combination assessment, including omission or underestimation of relevant projects within key species' foraging ranges. NRW A undertook additional cumulative analysis using data from the Mona project, and JNCC reviewed updated clarifications. Both bodies subsequently confirmed that cumulative effects are not significant and that no adverse effects on site integrity are predicted for relevant SPAs, including Skomer, Skokholm and the Seas off Pembrokeshire SPA.

Both NRW A and JNCC reiterated that thorough cumulative and in-combination assessments should have been carried out and incorporated within the ES. NRW MLT recognise that there were deficiencies in the cumulative and in-combination assessment carried out by the Applicant. However are satisfied following NRW A undertaking its own cumulative and in-combination analysis, that no significant cumulative effects are anticipated.

NRW A and JNCC also highlighted the need for entanglement monitoring associated with floating infrastructure. The Applicant committed to incorporating monitoring, debris removal and subsequent reporting requirements within the Project Environment Management Plan (PEMP). Vessel monitoring will also be undertaken. NRW MLT are satisfied that appropriate conditions can be secured to the Marine Licence to ensure the production and adherence to a PEMP (condition 3.24) and Vessel Management Plan (VMP) (condition 3.35).

Minor clarifications relating to species apportioning and collision risk modelling were resolved through further information. Whilst concerns were raised by RSPB regarding baseline characterisation and assessment assumptions. NRW MLT recognise that both NRW A and JNCC as the SNCBs consider that the baseline characterisation to be acceptable, and in accordance with available guidance produced by the SNCB. NRW MLT are therefore satisfied with the assessment completed.

On this basis, NRW MLT is satisfied that marine ornithology have been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Seascape, Landscape and Visual Impact Assessment (SLVIA)

Consideration of SLVIA is detailed within section 7.17 of the EIA Consent Decision.

NRW A and the Pembrokeshire Coast National Park Authority (PCNPA) raised concerns that the SLVIA underestimated the magnitude and significance of visual and seascape effects, particularly within the National Park. The PCNPA considered that, although some individual effects may not be significant, there would be adverse effects across a wider area and objected to the development. NRW A similarly advised that the assessment methodology may have resulted in under-reporting of impacts.

Following submission of further information, including a commitment to reduce the turbine tip height from 325.5 m to 300 m, the PCNPA withdrew its objection, although it maintained concerns that adverse effects on the seascape, landscape and special qualities of the National Park would remain. Both NRW A and PCNPA advised that a further reduction to 270 m would likely reduce impacts to an acceptable level; however, the Applicant confirmed that this was not feasible.

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NRW MLT welcome the Applicants commitment to reduce the turbine height from 325.5 m to 300 m. However, NRW MLT agrees with NRW A and PCNPA that the Project adverse effects on the National Park will remain. In accordance with Policy SOC_07 of the Welsh National Marine Plan, the Applicant has provided a clear and convincing case for proceeding, and has proposed a number of landscape enhancement measures.

On this basis, whilst NRW MLT it is satisfied that the Project has complied with Policy SOC_07 and that the matter has been appropriately addressed. Further details surrounding the case for proceeding is presented in section 5.4 below.

Marine Archaeology and Cultural Heritage

Consideration of Marine Archaeology and Cultural Heritage is detailed within section 7.18 of the EIA Consent Decision.

Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW), Cadw and Welsh Archaeological Trust (WAT) raised a number of points relating to survey coverage, archaeological assessment and mitigation requirements. Overall, consultees agreed with the approach set out and supported the need for conditions to be attached to the marine licence to secure further work and mitigation.

RCAHMW and Cadw highlighted that changes to the Offshore Export Cable Corridor (OfECC) route meant that a section of the route not yet been subject to survey or archaeological appraisal. The Applicant agreed to carry out additional survey work to the same standard as the rest of the scheme prior to commencement, with subsequent archaeological interpretation and assessment informing the Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD), including Archaeological Exclusion Zones (AEZs).

RCAHMW supported the requirement for the submission of a WSI and PAD, to be agreed prior to commencement of Licensed Activities. These will be informed by the results of the additional survey work. NRW MLT consider it appropriate to secure the production and adherence of a WSI (condition 3.38) and PAD (condition 3.39) through licence conditions. NRW MLT agree that additional surveys must also be carried out to inform the WSI and PAD and to update AEZs (condition 3.18), the survey specification will be agreed in consultation with RCAHMW.

Cadw noted that while the turbines may be visible from designated historic assets, they would appear on the horizon at a distance and would not adversely affect their setting. WAT confirmed that appropriate mitigation measures have been identified for the intertidal zone and requested continued involvement in post-consent mitigation design.

On this basis, NRW MLT is satisfied that Marine Archaeology and Cultural Heritage has been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

5.1.9 Conclusion of our considerations under the need to protect the Environment

In summary, having considered the need to protect the environment, NRW MLT does not consider that any impacts of the Project on the environment (either alone or in combination with other plans or projects) are sufficient on their own to justify refusal of the application provided that the Proposed Activities are implemented in accordance with the conditions set out in Annex 1.

5.2 The need to protect human health

NRW MLT have had regard for the issues raised by consultees to ensure human health is protected. These are detailed in full within Section 7 of the EIA Consent Decision.

Consultation responses were received from Environmental Public Health Service Wales who confirmed that there was no risk to public health.

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However, other than the responses from Environmental Public Health Service Wales and those discussed above within section 5.1.8 (Marine Water and Sediment Quality), no other comments or representations were received in relation to the need to protect human health and no other concerns in this regard have been identified.

5.2.1 Conclusion of our considerations under the need to protect human health

In summary, having considered the need to protect human health, NRW MLT does not consider that any impacts of the Project (either alone or in combination with other plans or projects) are sufficient on their own to justify refusal of the application provided that the Proposed Activities are implemented in accordance with the conditions set out in Annex 1.

5.3 The need to prevent interference with legitimate uses of the sea

Legitimate uses of the sea include (but are not limited to): navigation (including taking any steps for the purpose of navigational safety); fishing; mineral extraction; and amenity use.

NRW MLT have had regard for the issues raised by consultees to prevent interference with legitimate uses of the sea. These are detailed in full within Section 7 of the EIA Consent Decision and summarised below.

Shipping and Navigation

Consideration of Shipping and Navigation is detailed within section 7.19 of the EIA Consent Decision.

The UK Chamber of Shipping (CoS) stated that outdated information had been used to represent the cumulative projects. The CoS considered that given the Crown Estate released to the public in December 2023 its intent to proceed with three finalised Project Development Areas (PDAs) for Celtic FLOW, that these areas should have been used in the assessment. However, the CoS acknowledged that the three final PDAs have the same footprint as the four PDAs as presented in the NRA. Given that the final PDA footprint is confined to those areas considered within the NRA, there is no impact on the overall findings of the assessment.

Concerns were also raised in relation to anchor snagging risk and appropriate burial depth. The Applicant confirmed that a Cable Burial Risk Assessment (CBRA) will be carried out prior to commencement of the works that will take account of anchoring activity by large vessels to ensure appropriate burial depths are achieved. Clarification was also provided on under keel clearance, confirming that no risk to navigation is anticipated from buoyant cables, and that minimum blade tip clearance requirements will always be maintained helping ensure safe navigation.

The CoS requested further clarity on mooring layouts, charting and consultation. The Applicant confirmed that final mooring configurations will be defined within a Project (Array) Layout Plan, to be prepared post consent in accordance with Marine Guidance Note (MGN) 645 in consultation with relevant stakeholders. The Applicant also confirmed that all infrastructure will remain within the licensable area and that mooring systems will not be shared between turbines.

The MCA, Trinity House and UKHO raised no concerns regarding the NRA carried out and were content with the conclusions presented within the ES relating to the Shipping and Navigation Chapter. However, mitigation measures were requested which NRW MLT deem appropriate to secure through the Marine Licence. These include:

- Production and adherence to an Aids to Navigation Management Plan (AtNP) (condition 3.34);
- A requirement to notify relevant organisations and marine users prior to commencement and completion of any phase of Licensed Activities and upon completion (condition 3.1.3, 3.1.4, 3.1.5, 3.6.3 and 3.6.4);
- Production and adherence to an Emergency Response Cooperation Plan (ERCoP) (condition 3.30);

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- Requirement that the devices are regularly inspected and maintained, including cables, with the requirement for the Licence Holder to inform the relevant authorities including the MCA and Trinity House in case of damage to, destruction or decay of any devices or exposure of cables exposure of cables on or above the seabed (condition 3.43);
- Requirement that all structures in the Marine Licensable Activities are coloured in a manner to ensure safety to navigation, this is to be yellow from at least highest astronomical tide to a height as directed by Trinity House and the remainder in grey (condition 3.50);
- Requirement that navigational safety is not compromised including the identification of any cable protection that exceeds 5% reduction of navigable depth (condition 3.51);
- Cable Burial Risk Assessment (CBRA) to determine appropriate burial depth for the subsea cable and to determine where additional protection is necessary (condition 3.21);
- Prior approval of a Design Plan in consultation with the MCA and Trinity House to ensure navigation safety has appropriately been considered (condition 3.19 and 3.20);
- Prior approval of Navigation Monitoring which includes a requirement that hydrographic surveys final data is supplied to the UKHO and MCA for the updating of nautical charts and publications and to include a cable route survey post-construction (condition 3.36);
- Production and adherence to a Marine Pollution Contingency Plan (MPCP) (condition 3.29);
- Production and adherence to a Vessel Management Plan (VMP) (condition 3.35);
- Following completion of construction, the requirement for a Post Construction As-Built Report detailing the as built plans, and co-ordinates of the location of each offshore platform constructed and export cable routes (condition 3.40);
- Rock protection is only used where adequate burial cannot be achieved and that exact locations are reported (condition 3.44); and
- A requirement to ensure third party verification of moorings arrangements (condition 3.52).

On this basis, NRW MLT is satisfied that shipping and navigation have been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Commercial Fisheries

Consideration of Commercial Fisheries is detailed within section 7.20 of the EIA Consent Decision.

Concerns were raised by National Federation of Fishermen's Organisations (NFFO) and Welsh Fishermen's Association (WFA) regarding baseline data, displacement and exclusion impacts, and the cumulative assessment. While it was acknowledged that the baseline characterisation was generally well presented, they noted that the absence of site-specific fisheries surveys limited the accuracy of the assessment, particularly in relation to smaller inshore vessels. The Applicant confirmed that multiple data sources had been used and that limitations were recognised within the ES, alongside a commitment to develop a Fisheries Liaison and Coexistence Plan (FLCP) in consultation with stakeholders.

Further concerns were raised by NFFO and WFA that impacts on inshore static gear fleets, particularly potting vessels, were underrepresented. The Applicant clarified that significant impacts on local potting fleets during construction had been identified and that mitigation measures, including stakeholder engagement and management actions, would be developed through the FLCP in line with industry guidance.

NFFO and WFA challenged the assumptions in the ES regarding the ability of mobile gear fleets to relocate and highlighted risks of increased gear conflict arising from displacement. The Applicant

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acknowledged these concerns and confirmed that displacement effects, particularly for static gear fleets, had been identified and considered within the assessment and would be mitigation through the production and adherence to the FLCP

NFFO and WFA raised concerns relating to operational exclusion and long-term economic impacts. The Applicant confirmed that the assessment took a precautionary approach, assuming no return to fishing within the array area, and reiterated the commitment minimise and mitigate impact through the development of the FLCP.

Following clarification provided by the Applicant no further representation were received from NFFO or WFA. NRW MLT are satisfied that production of a FLCP will be secured through licence conditions (condition 3.37).

On this basis, NRW MLT is satisfied that commercial fisheries has been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Aviation and Radar

Consideration of Aviation and Radar is detailed within section 7.21 of the EIA Consent Decision.

The Ministry of Defence (MoD) and NERL Safeguarding initially objected to the Project due to concerns regarding interference with radar systems and impacts on aviation safety. The MoD identified unacceptable interference with the Air Traffic Control radar at Hartland Point and requested the submission of an Air Traffic Control Radar Mitigation Scheme (ATCRMS). The Applicant provided an outline mitigation proposal, which was agreed with the MoD, leading to withdrawal of their objection, subject to the ATCRMS being secured through licence conditions and approved prior to commencement of Licensed Activities.

The MoD also required that turbine blades must not rotate (other than for testing) until radar mitigation performance has been demonstrated and approved. In addition, concerns regarding physical obstruction to low-flying aircraft were addressed through a requirement for an Aviation Lighting Scheme, to be secured within the Lighting Marking and Management Plan (LMMP).

NERL Safeguarding similarly identified unacceptable impacts on radar infrastructure but confirmed that these can be mitigated through agreement of appropriate measures within a Primary Radar Mitigation Scheme, to be secured post consent.

Mitigation will be secured through licence conditions, including the commitment to post-consent submission of a Lighting Marking and Management Plan (LMMP) (condition 3.25), ATCRMS (condition 3.26) and a Primary Radar Mitigation Scheme (condition 3.27).

On this basis, NRW MLT is satisfied that Aviation and Radar has been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Other Sea Users

Consideration of Other Sea Users is detailed within section 7.22 of the EIA Consent Decision.

The MoD raised concerns regarding the location of the export cable within the Castlemartin Range Danger Areas (D113A and D113B), where live firing activities take place. The MoD concerns related to the potential for being liable should the ranges firing activities lead to damage to the cable.. The Applicant has proposed cable protection mechanisms and stated they will accept liability for any damaged caused by Castlemartin firing activities. The MoD agreed with this proposal and NRW MLT are satisfied that this can be secured through the submission of a Cable Mitigation Scheme to be submitted for approval prior to commencement of Licensed Activities within range danger areas D113A and D113B. The Cable Mitigation Scheme will be reviewed and approved in consultation with the MoD. It is also anticipated that the Cable Mitigation Scheme will only be approved if the Applicant has reached a legal liability agreement with the MoD prior to submission of the Cable Mitigation Scheme. The MoD

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also raised concerns that survey, construction and maintenance activities could disrupt military training by requiring temporary cessation of firing operations. To address this, the Applicant committed to a Communications Protocol, to ensure coordination with the MoD and minimise disruption. NRW MLT are satisfied that this will be secured through licence conditions, alongside requirements to notify the MoD prior to commencement and following completion of any phase of Licensable Activities. .

Mitigation will be secured through licence conditions, including the commitment to produce and adhere to a Cable Mitigation Scheme and Communications Protocol (condition 3.22). Appropriate notifications prior to commencement and following completion of any phase of Licensable Activities will also be secured through the marine licence (condition 3.1.6 and 3.6.5)

On this basis, NRW MLT is satisfied that other sea users has been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

Major Accidents and Disasters

Consideration of Major Accidents and Disasters is detailed within section 7.24 of the EIA Consent Decision.

The Applicant has incorporated embedded mitigation and good-practice measures, including design specifications, safety systems, adherence to maritime and aviation safety requirements, emergency preparedness and response arrangements, and the preparation of management plans such as the Construction Environment Management Plan (CEMP) (condition 3.23), Project Environment Management Plan (PEMP) (condition 3.24), Marine Pollution Contingency Plan (MPCP) (condition 3.29) and Emergency Response Cooperation Plan (ERCoP) (condition 3.30). These measures reduce both the likelihood and potential consequences of major accidents and disasters to as low as reasonably practicable. NRW MLT consider it appropriate to secure the proposed management plans within the marine licence.

Other than the comments discussed within the individual topic chapters above, no other consultation responses were received in relation to the Major Accidents and Disasters.

On this basis, NRW MLT is satisfied that major accidents and disasters has been adequately assessed and that impacts are not significant, subject to appropriate mitigation that will be secured through licence conditions detailed in Annex 1.

5.3.1 Conclusion of our considerations regarding the need to prevent interference with legitimate uses of the sea

In summary, having considered the need to protect interference with legitimate uses of the sea, NRW MLT does not consider that any impacts of the Project (either alone or in combination with other plans or projects) are sufficient on their own to justify refusal of the application provided that the Proposed Activities are implemented in accordance with the conditions set out in Annex 1.

5.4 Marine Policy Documents

a) The Legal framework

NRW MLT is required to take its decision in accordance with the appropriate marine policy documents unless relevant considerations indicate otherwise:

UK Marine Policy Statement 2011 (MPS)

The MPS is the framework for preparing Marine Plans and taking decisions affecting the marine environment.

Welsh National Marine Plan (WNMP)

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The WMNP is the Marine Plan for the Welsh inshore region and the Welsh offshore region and sets out the Welsh Government's policies for and in connection with the sustainable development of this area.

b) Our determination**UK Marine Policy Statement 2011**

This decision has been taken in accordance with marine policy as set out in the UK Marine Policy Statement 2011.

Welsh National Marine Plan (WNMP)

The WNMP is supportive of the development of renewable energy activities, Policy ELC_01, seeks to ensure that potential for energy generation from renewable sources is achieved in line with climate and energy targets, and does so in a way which gives due regard to relevant environmental, social and cumulative impact considerations. The objective of this project is to provide a floating offshore windfarm which will contribute itself to Government's ambition for renewable energy as well as supporting the learning and development required for larger floating offshore wind farms in future.

The proposal is considered to comply with the relevant other relevant policies and has appropriately considered impact of the Project, including on marine ecosystems (Policy ENV_01), water quality (Policy ENV_06), underwater noise (ENV_05), Invasive non-native species (ENV_03), and Historic Assets (Policy SOC_05).

An Habitat Regulations Assessment (HRA) was carried out in order to consider the impact of the works on European Protected Site. As is detailed in section 4.1.3, it was considered that adverse effect could be ruled out subject to mitigation. NRW therefore consider the proposal is in line with Policy ENV_02 Marine Protected Sites.

Due to the location of the works, the proposal is not considered to have the potential to have an adverse impact on any Tidal Stream Energy Strategic Resource Area (Policy SAF_02).

Policy SOC_07 of the WNMP states that *'Proposals should demonstrate how potential impacts on seascapes have been taken into consideration and should, in order of preference: a) avoid adverse impacts on seascapes; and/or b) minimise impacts where they cannot be avoided; and/or c) mitigate impacts where they cannot be minimised. If significant adverse impacts cannot be avoided, minimised or mitigated, proposals must present a clear and convincing case for proceeding. Opportunities to enhance seascapes are encouraged.'*

As discussed in section 5.1.8, NRW MLT consider that due to the scale of the project the proposed development would have an adverse effect on the special qualities of the Pembrokeshire Coast National Park (PCNP). NRW MLT acknowledge that the Applicant has looked to reduce the impacts as much as possible including through reducing the turbine height from 325.5m to 300m, however adverse impact remains.

The Applicant submitted *'ORML2465 251120 Strategic Need for the Llŷr Project'* on 30 January 2026, which NRW MLT consider provides a convincing case for proceeding despite impacts on seascapes remaining. The Llŷr Project is a test and demonstration floating offshore wind development that responds directly to UK and Welsh policy priorities on net zero, energy security and sustainable economic growth. It aligns strongly with the WNMP, by maximising renewable energy generation while addressing environmental, social and cumulative impacts. The project's primary benefit is its role as a catalyst for the emerging floating offshore wind sector. By deploying commercial-scale turbines, Llŷr will look to de-risk technology, validate designs and accelerate cost reductions while increasing investor confidence and enabling future gigawatt-scale projects. Llŷr also supports key national strategies, including the UK Clean Power 2030 Action Plan and longer-term net zero targets. It contributes to the need to significantly expand low-carbon electricity generation while improving energy security and reducing long-term energy costs. Economically, the project delivers substantial regional and national benefits. It will stimulate supply chain development, create employment in Pembrokeshire and across Wales. Importantly, Llŷr will also enable improved understanding of environmental interactions at a manageable scale, allowing mitigation measures to be tested before large-scale rollout. This supports

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sustainable development goals under the Well-being of Future Generations (Wales) Act and Future Wales 2040.

The Applicant has also produced a proposal for an enhancement scheme 'ORML2465 260123 Llŷr Landscape Enhancement Scheme Principles', submitted on 20 January 2026..

The WNMP encourages opportunities to enhance seascape, and NRW MLT therefore welcome the commitment to a landscape enhancement scheme. NRW MLT consider that although impacts remain there was a convincing case for proceeding.

The MoD objected to the Project due to significant concerns regarding interference with radar systems and impacts on aviation safety, as well as the location of the export cable within the Castlemartin Range Danger Areas (D113A and D113B), where live firing activities take place. These impacts have been mitigated through the inclusion of licence conditions, as discussed above in section 5.3 and detailed in Annex 1 below. These conditions have been agreed in consultation with the MoD, following which removed MoD removed their objection to the Project. Therefore NRW MLT consider the Project complies with Policy DEF_01.

Due to the location and scale of the works the proposal is not considered to have the potential to have an adverse impact on any Tidal Stream Energy Strategic Resource Area (Policy SAF_02). In taking account of the above NRW MLT consider that this decision has been taken in accordance with marine policy as set out in the WNMP.

5.5 Other matters NRW MLT thinks relevant

5.5.1 Well-being of Future Generations (Wales) Act 2015

a) The legal framework

In making its decision, NRW MLT is required to take all reasonable steps to meet its published well-being objectives, which are designed to maximise NRW MLT's contribution to achieving each of the well-being goals set out in the Well-being of Future Generations (Wales) Act 2015. NRW MLT must also act in accordance with the principles of sustainable development.

b) Our determination

NRW MLT has taken into account its well-being objectives and is satisfied that its decision is consistent with meeting those objectives.

NRW MLT is also satisfied that its decision is consistent with the sustainable development principle i.e. seeking to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs.

5.5.2 Sustainable management of natural resources

a) The legal framework

NRW's general purpose is to pursue the sustainable management of natural resources in relation to Wales and applying the principles of sustainable management of natural resources as set out in section 4 of the Environment (Wales) Act 2016 so far as consistent with the proper exercise of its functions.

b) Our determination

NRW MLT is satisfied that this decision, when implemented in accordance with the attached conditions, is consistent with its general purpose of pursuing the sustainable management of natural resources in relation to Wales, and applying the principles of sustainable management of natural resources.



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6 CONCLUSIONS AND RECOMMENDATIONS

Based on all the information available, and having regard to all relevant considerations including consultation responses, NRW MLT's decision is to grant the Marine Licence sought by the Application. We have reached this decision having had regard to the relevant legal framework outlined in section 5. We have also explained in section 5 how each of the legal requirements have been considered. NRW MLT has determined that a Marine Licence for the Proposed Activities should be granted.

Conditions have been attached to the Marine Licence as set out in Annex 1. The reason for the inclusion of each condition is set out with the conditions.

7 AUTHORISATION

Report by: Joe Thomas Position: Permitting Officer	Date: 19 June 2026	Signed: 
Authorised by: Emmer Litt Position: Marine Licensing Team Leader	Date: 19 June 2026	Signed: 

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8 ANNEX 1: CONDITIONS

Conditions imposed and reasons for those conditions.

Note: Condition numbers used below reflect the condition numbers used in the licence.

Notification and Inspection

3.1 Notification of Commencement

- 3.1.1** The Licence Holder must notify the Licensing Authority no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

Reason: To ensure the Licensing Authority are aware of the commencement of Licensed Activities.

- 3.1.2** The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

Reason: To ensure the Marine Enforcement Officers are aware of the commencement of Licensed Activities.

- 3.1.3** The Licence Holder must ensure that notification is sent to The Source Data Receipt team, UK Hydrographic Office (email: sdr@ukho.gov.uk) at least **10 days** prior to commencement of the Licensed Activities. The information supplied must include the start date and end date, a description of the works, positions of the work area (WGS84), and details of any marking arrangements.

Reason: To ensure that navigation warnings can be issued to marine users and for the update of nautical charts.

- 3.1.4** The Licence Holder must ensure that local mariners and fishermen's organisations are made fully aware of the Licensed Activities through local notices to mariners **10 days** prior to the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

Reason: To minimise interference with other sea users and ensure other vessels in the vicinity can safely plan and conduct their passage.

- 3.1.5** The Licence Holder must notify The Kingfisher Information Service of Seafish no less than **10 days** prior to the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

Reason: To minimise interference with other sea users and ensure other vessels in the vicinity can safely plan and conduct their passage.

- 3.1.6** The Licence Holder must notify the Ministry of Defence and Castlemartin Training Area no less than **14 days** prior to the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence. The notification must include:

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- a) the date of the commencement of the construction, installation, or deployment of any permanent structures with a height of 50m or greater (above mean sea level);
- b) the latitude and longitude, and maximum height of any construction equipment with a height of 50m or greater (above mean sea level) that will be used in the implementation of the approved development; and
- c) the latitude and longitude, and maximum heights of any permanent structures with a height of 50m or greater (above mean sea level).

Reason: To minimise interference with low flying aircraft and ensure the MoD can safely plan and conduct their passage.

3.2 Notification of Vessels and/or Vehicles

The Licence Holder must ensure that the details of the vessels and/or vehicles utilised to undertake the Licensed Activities are submitted to the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) at least **24 hours** prior to the commencement of the Licensed Activities.

Reason: To ensure that the Licensing Authority are made aware, in a timely manner, of the vessels and/or vehicles operating under this licence to enable the Licensing Authority to comply with the reporting obligations in the Marine Licensing (Register of Licensing Information (Wales) Regulations 2011 as amended.

3.3 Notification of Agents/Contractors/Sub-contractors

The Licence Holder must ensure that details of any agent(s), contractor(s) or sub-contractor(s) utilised to undertake the Licensed Activities are submitted to the Licensing Authority Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) at least **24 hours** prior to the commencement of Licensed Activities.

Reason: To ensure that the Licensing Authority and Enforcement Officers are made aware, in a timely manner, of the agent(s), contractor(s) or sub-contractor(s) operating under this licence and in order to enable the Licensing Authority to comply with the reporting obligations in the Marine Licensing (Register of Licensing Information (Wales) Regulations 2011 as amended.

3.4 Notification of HM Coastguard

The Licence Holder must ensure that HM Coastguard is made aware of the Licensed Activities at least **24 hours** prior to commencement by contacting The National Maritime Operations Centre at zone28@hmcg.gov.uk.

Reason: To ensure the safety of navigation.

3.5 Inspection of Licensed Activities

The Licence Holder must allow Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) or any other person authorised by the Licensing Authority to inspect the Works at any reasonable time.

Reason: To allow for inspection of the Licensed Activities to check compliance with the Licence.

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3.6 Notification of Completion

3.6.1 The Licence Holder must notify the Licensing Authority within **10 days** of completion of the Licensed Activities or an individual phase of the Licensed Activities.

Reason: To ensure the Licensing Authority are aware of the completion of Licensed Activities.

3.6.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) within **10 days** of completion of the Licensed Activities, or an individual phase of the Licensed Activities.

Reason: To ensure the Marine Enforcement Officers are aware of the completion of Licensed Activities.

3.6.3 The Licence Holder must notify the UK Hydrographic Office of the Licensed Area and the Licensed Activities within **10 days** of the completion of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

Reason: To minimise interference with other sea users and ensure other vessels in the vicinity can safely plan and conduct their passage.

3.6.4 The Licence Holder must notify The Kingfisher Information Service of Seafish as soon as reasonably practicable and no later than **24 hours** after completion of the Licensed Activities or an individual phase of the Licensed Activities.

Reason: To minimise interference with other sea users and ensure other vessels in the vicinity can safely plan and conduct their passage.

3.6.5 The Licence Holder must notify the Ministry of Defence and Castlemartin Training Area as soon as reasonably practicable and no later than **24 hours** after completion of the Licensed Activities or an individual phase of the Licensed Activities. The notification must include any changes to the information supplied under condition 3.1.6.

Reason: To minimise interference with low flying aircraft and ensure the MoD can safely plan and conduct their passage.

3.7 Accident or Emergency

3.7.1 If, by reason of force majeure any substances or articles are deposited otherwise than as permitted as part of the Licensed Activities or in the Licensed Area full details of the circumstances shall be notified to the Licensing Authority, Trinity House, Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) and the Maritime and Coastguard Agency within **48 hours** of the incident occurring.

Reason: To allow the Licensing Authority to take appropriate action to ensure the appropriate removal of the unlicensed deposit.

3.7.2 If it is necessary for the Licence Holder to recover or remove any equipment, plant or machinery used to undertake the Licensed Activities that have been dropped as a result of an accident or emergency, the Licence Holder is permitted to do so provided that the methodology for such recovery or removal has been approved by the Licensing Authority.

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Reason: To allow for the recovery of objects that have been accidentally dropped when carrying out the Licensed Activities.

3.8 Distribution of Copies of this Licence

The Licence Holder is required to ensure that a copy of this Licence is given to:

- a) All agent(s), contractor(s) and sub-contractor(s) whose names have been provided to the Licensing Authority under condition 3.3 and
- b) The Masters of any vessels and transport managers responsible for the vehicles employed in accordance with this Licence whose details have been submitted to the Licensing Authority under condition 3.2.

Reason: To ensure that all agent(s), contractor(s), sub-contractor(s) and vessel Masters are aware of their obligations under the conditions established within this Licence to ensure compliance with the conditions.

3.9 Inspection of Documents

Copies of this Licence shall be made available at the following locations:

- a) at the address of the Licence Holder specified in section 1.2;
- b) at any site office, located at or adjacent to the Licensed Area, used by the Licence Holder or its agent(s), contractor(s) or sub-contractor(s) responsible for the loading transportation or deposit of any substances or articles permitted as part of the Licensed Activities;
- c) on board each vessel or vehicle carrying out Licensed Activities.

The documents referred to in this Condition shall be available at all reasonable times for inspection by officers appropriately authorised by the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement) at the locations stated in that paragraph.

Reason: To ensure that all agent(s), contractor(s), sub-contractor(s) and vessel Masters may access the details of this Licence at all times and to ensure that the details of this Licence are available for inspection when required.

Vessels, Plant and Equipment

3.10 Notified Contractors, Vessels and/or Vehicles only to Carry out Licensed Activities

Only those agent(s), contractor(s), sub-contractor(s), vessels and/or vehicles whose details have been notified to the Licensing Authority may operate under the terms of this Licence. Any changes must be notified to the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) in writing prior to any such agent, contractor, subcontractors or vehicles carrying out any Licensed Activities pursuant to or otherwise operating under this Licence.

Reason: To ensure that the Licensing Authority and Enforcement Officers are made aware, in a timely manner, of the agent(s), contractor(s), sub-contractor(s) operating under this Licence to enable the Licensing Authority to comply with the reporting obligations in the Marine Licensing (Register of Licensing Information (Wales) Regulations 2011 as amended.

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3.11 Refuelling of Plant and Equipment

The Licence Holder must ensure that plant, vehicles and machinery are not refuelled on the foreshore.

Reason: To minimise the risk of fuels/other contaminants entering the marine environment.

3.12 Equipment, Structures and Access

The Licence Holder must ensure that all equipment, temporary structures, access tracks, waste and/or debris associated with the Licensed Activities are removed on completion of the Licensed Activities unless otherwise approved in writing by the Licensing Authority.

Reason: To minimise impacts on the marine environment and other users of the sea/seabed.

Safety

3.13 Removal of Deposited Material

If the Licensing Authority considers it necessary or advisable for the safety of navigation, the Licence Holder must remove any deposit specified by the Licensing Authority or Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) within one month of notice being given by the Licensing Authority, and shall not replace such material until the Licensing Authority has given its written approval.

Reason: To ensure that any material which may pose a hazard to safe navigation has been removed.

Pollution control

3.14 Pollution Prevention

The Licence Holder must ensure that pollution prevention best practice is adhered to at all times. Any incidents must be reported to Natural Resources Wales as soon as possible using the hotline number **0300 065 3000**.

Reason: To minimise the risk of pollution incidents and to ensure the timely report of such incidents to enable the Licensing Authority to take action as appropriate.

3.15 Spillage of Pollutants

The Licence Holder must employ bunding, storage facilities and spill kits to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment. Secondary containment must be used with a capacity of **no less than 110%** of the container's storage capacity.

Reason: To minimise the risk of fuels/other contaminants entering the marine environment.

3.16 Prevention of Disposal of Man-made Debris

The Licence Holder must ensure that all reasonable precautions are taken to prevent the disposal of man-made debris to the marine environment. Such material must be removed immediately and be disposed of appropriately unless otherwise approved in writing by the Licensing Authority.

Reason: To minimise the amount of man-made materials disposed of at sea.

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3.17 Cleanliness of Equipment

The Licence Holder must ensure that equipment, machinery and PPE are washed with freshwater and/or thoroughly airdried before deployment and before moving between locations.

Reason: To minimise the risk of spread of invasive non-native species.

Activity-specific Conditions

3.18 Pre-Construction Ecological and Archaeological Surveys

3.18.1 The Licence Holder must submit a Pre-Construction Ecological and Archaeological Survey Specifications to the Licensing Authority for written approval at least **4 months** prior to commencement of Pre-Construction Surveys.

3.18.2 The Licence Holder must ensure that the Pre-Construction Surveys are undertaken in accordance with the Survey Specifications described in condition 3.18.1.

3.18.3 The Licence Holder must submit the written results of the Survey undertaken pursuant to condition 3.18.2 to the Licensing Authority for written approval at least **6 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

Reason: To ensure the seabed is surveyed sufficiently to identify ecological and archaeological features prior to commencement of License Activities and is available to inform micro-siting.

3.19 Project (Array) Layout Plan

3.19.1 The Licence Holder must submit a Project (Array) Layout Plan to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 1. Licensed Activity 1 may not be undertaken prior to written approval from the Licensing Authority. The plan must include:

- a) The number, dimensions, specification, foundation type(s) and depth for each WTGs, offshore platforms, substations and meteorological masts; and
- b) The grid coordinates of the centre point of the proposed location for each WTG, platform, substation and meteorological mast; and
- c) latitude and longitude coordinates of the inter array cables.

3.19.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.19.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure that the infrastructure to be constructed remain within the limits of those assessed within the Environmental Statement and further information submissions and are appropriately arranged to maintain navigational safety..

3.20 Cable Specification and Installation Plan (CSIP)

3.20.1 The Licence Holder must submit a CSIP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 2 and 6. Licensed

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Activity 2 and 6 may not be undertaken prior to written approval from the Licensing Authority. The plan must include:

- a) Technical specification;
- b) Proposed layout of all cables, location, including outlines of cable crossings, burial and surface laid sections;
- c) Timings, including duration of intertidal works;
- d) The proposed locations, types, and quantities of cable protection to be deposited;
- e) Installation and cable laying techniques;
- f) Cable crossing armouring methodology;
- g) Location, type, and quantity of any wet-stored cabling and/or cable protection and the proposed duration of the wet storage; and
- h) Identify micrositing requirements.

3.20.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.20.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure the proposed works follow best practice, fall within the parameters assessed within the Environmental Statement and that environmental and navigational risk are appropriately mitigated.

3.21 Cable Burial Risk Assessment (CBRA)

3.21.1 The Licence Holder must submit a CBRA to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 2 and 6. Licensed Activity 2 and 6 may not be undertaken prior to written approval from the Licensing Authority.

3.21.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.21.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To the installation of infrastructure is in line with those assessed for within the Environmental Assessment and to ensure the safety of navigation.

3.22 Cable Mitigation Scheme and Communications Protocol

3.22.1 The Licence Holder must submit a Cable Mitigation Scheme and Communications Protocol to the Licensing Authority for written approval at least **4 months** prior to commencement of Licensed Activities within Range Danger Areas D113A and D113B. No Licensed Activities within Range Danger Areas D113A and D113B may be undertaken prior to written approval from the Licensing Authority. The plan must include:

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- a) Outline procedures for communicating with the Castlemartin Training Area to obtain prior approval before undertaking any surveys, installation works or maintenance within Range Danger Areas D113A and D113B;
- b) A schedule setting out the projected dates and times for the implementation of the development works;
- c) A schedule identifying the methods to be used to install cable infrastructure within Range Danger Areas D113A and D113B;
- d) A schedule identifying the route and layout of all cables to be laid within Range Danger Areas D113A and D113B;
- e) Procedures for approval of the cable installation methods and route and layout of all cables to be laid within Range Danger Areas D113A and D113B;
- f) The technical specifications and methods to be used for cable protection; and
- g) Cable Mitigation Scheme and Communication Protocol for the lifetime of the development.

3.22.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.22.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise the impacts and disruption on the Castlemartin Training Area.

3.23 Construction Environment Management Plan (CEMP)

3.23.1 The Licence Holder must submit a CEMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. The CEMP must be in accordance with the outline CEMP, *ORML2465 - App 04A Llyr ES - OCEMP*. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.23.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.23.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure procedures in line with best working practices and have considered environmental mitigation.

3.24 Project Environment Management Plan (PEMP)

3.24.1 The Licence Holder must submit a PEMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.24.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.24.1 are implemented as approved in writing by the Licensing Authority.

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Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise the risk of pollution incidents occurring by adopting best practice techniques and will include monitoring and clearing of debris.

3.25 Lighting Marking and Management Plan (LMMP)

3.25.1 The Licence Holder must submit a LMMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority. The LMMP must include an Aviation Lighting Scheme. This scheme must include:

- a) How the development will be lit throughout its life to maintain civil and military aviation safety requirements as required under the Air Navigation Order 2016 and, or, determined necessary for aviation safety by the Ministry of Defence and, or, as directed by the Civil Aviation Authority;
- b) Details of any construction equipment and temporal structures with a height of 50m or greater (above mean sea level) that will be used during the construction, installation or deployment of the development, and details of any aviation warning lighting that they will be fitted with, specifying the position of the lights; the type(s) of lights that will be fitted; and the performance specification(s) of those lights;
- c) Details of any structures with a height of 50m or greater (above mean sea level) specifying the position of any lights; the type(s) of lights that will be fitted; and the performance specification(s) of those lights for all stages of marine transit or storage, or whilst moored prior to final installation; and
- d) Details of any permanent structures with a height of 50m or greater (above mean sea level), providing their locations and heights, and identifying those that will be fitted with aviation warning lighting, specifying the position of the lights; the type(s) of lights that will be fitted; and the performance specification(s) of those lights.
- e) Details of lighting for the lifetime of the development.

3.25.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.25.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure the safety of aviation and to reduce the impacts on visual receptors.

3.26 Air Traffic Control Radar Mitigation Scheme (ATCRMS)

3.26.1 The Licence Holder must submit a ATCRMS to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 1. Licensed Activity 1 may not be undertaken prior to written approval from the Licensing Authority, following consultation with the Ministry of Defence. The scheme must include:

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- a) Appropriate measures to be implemented to mitigate the impact of the Llŷr Floating Offshore Wind Project on the Radar for the lifetime of the development; and
- b) Performance criteria requirements.

3.26.2 The Licence Holder must submit the Performance Results of the ATRMS to the Licensing Authority for written approval at least **2 months** prior to any wind turbine erected as part of this development to rotate its rotor blades about its horizontal axis, other than for the purpose of testing radar mitigation for this development for specific periods as defined in the approved ATRMS or otherwise arranged in accordance with provisions contained in the approved ATRMS. No turbine may rotate its rotor blades about its horizontal axis, other than for the purpose of testing radar mitigation, prior to written approval from the Licensing Authority, following consultation with the Ministry of Defence.

3.26.3 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.26.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority, following consultation with the Ministry of Defence, prior to any changes being enacted.

Reason: To avoid impacts on radar infrastructure and to ensure the safety of aviation.

3.27 Primary Radar Mitigation Scheme

3.27.1 The Licence Holder must submit a Primary Radar Mitigation Scheme to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 1. Licensed Activity 1 may not be undertaken prior to written approval from the Licensing Authority.

3.27.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.27.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To avoid impacts on radar infrastructure and to ensure the safety of aviation.

3.28 Water Quality Pollution Management Plan (WQPMP)

3.28.1 The Licence Holder must submit a WQPMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.28.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.28.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise risk to water quality.

3.29 Marine Pollution Contingency Plan (MPCP)

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3.29.1 The Licence Holder must submit a MPCP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.29.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.29.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise the risk of pollution incidents occurring by adopting best practice techniques.

3.30 Emergency Response Cooperation Plan (ERCoP)

3.30.1 The Licence Holder must submit a ERCoP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.30.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.30.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure the safety of navigation.

3.31 Marine Mammal Mitigation Plan (MMMP)

3.31.1 The Licence Holder must submit a MMMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. The MMMP must be in accordance with the outline MMMP, *ORML2465 260416 Liŷr Marine Mammal Mitigation Plan A2*. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.31.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.31.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise the risk to Marine Mammals.

3.32 Otter Mitigation Plan

3.32.1 The Licence Holder must submit an Otter Mitigation Plan to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 2. Licensed Activity 2 may not be undertaken prior to written approval from the Licensing Authority.

3.32.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.32.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise the risk to European Otter (Lutra lutra).

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3.33 Biosecurity Risk Assessment and Management Plan

3.33.1 The Licence Holder must submit a Biosecurity Risk Assessment and Management Plan to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.33.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.33.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise the risk of INNS incidents occurring by adopting best practice techniques.

3.34 Aids to Navigation Management Plan (AtNP)

3.34.1 The Licence Holder must submit a AtNP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.34.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.34.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure the safety of navigation.

3.35 Vessel Management Plan (VMP)

3.35.1 The Licence Holder must submit a VMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.35.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.35.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure the safety of navigation and minimise the impacts on Marine Ornithology.

3.36 Navigation Monitoring

3.36.1 The Licence Holder must submit a Navigation Monitoring Specification to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority. The plan must include;

- a) Pre-construction bathymetric survey of the Licensed Area extending to an appropriate buffer around the site and all proposed cable routes;
- b) Post-construction bathymetric survey of the installed export cable route and post-decommissioning swath bathymetric survey of the Licensed cable route and array area;

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- c) All bathymetric surveys to IHO Order 1a standard and be in compliance with MGN654 (Hydrographic Guidelines for Offshore Renewable Energy Developers), which includes the requirement for the full density data and reports to be delivered to the MCA and the UKHO for the update of nautical charts and publications;
- d) Vessel traffic monitoring by Automatic Identification System (AIS) for the duration of the construction phase;
- e) Vessel traffic monitoring by Automatic Identification System (AIS) for a 3-year period post-construction phase;
- f) Detail of the programme/timetable of monitoring and reporting.

3.36.2 The Licence Holder must ensure that the survey is undertaken in accordance with the Survey Specifications described in condition 3.36.1.

3.36.3 The Licence Holder must submit the written results of the Survey undertaken pursuant to condition 3.36.2 to the Licensing Authority for written approval in line with the timetable approved in the Navigation Monitoring Specification.

3.36.4 In accordance with condition 3.36.1 hydrographic surveys of the Licensed Area must be submitted to the UKHO, with notification to the MCA and Licensing Authority.

Reason: To ensure the safety of navigation.

3.37 Fisheries Liaison and Co-existence Plan (FLCP)

3.37.1 The Licence Holder must submit a FLCP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.37.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.37.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure the safety of navigation and minimise impacts on fisheries.

3.38 Written Scheme of Investigation (WSI)

3.38.1 The Licence Holder must submit a WSI to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.38.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.38.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise impacts to the historic environment.

3.39 Protocol for Archaeological Discovery (PAD)

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3.39.1 The Licence Holder must submit a PAD to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.39.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.39.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Reason: To minimise impacts to the historic environment.

3.40 Post Construction As-Built Report

3.40.1 The Licence Holder must submit a Post Construction As-Built Report to the Licensing Authority for written approval within **4 months** of completion of Licensed Activities for written approval. The Report must include:

- a) The final locations (in WGS84) and technical specifications of the cables;
- b) The final locations (in WGS84) of buried and surface-laid sections of the cables;
- c) The final locations (in WGS84), types, and quantities of cable protection used, deposited or installed;
- d) The final number of installed wind turbine generators;
- e) As built plans;
- f) The final centre point location (in WGS84) for each wind turbine generator and offshore platform, substation, booster station and meteorological mast; and
- g) Identification of potential dangers to navigation.

3.40.2 In the event that any potential danger to navigation is identified following the completion of the Licensed Activities, the Licence Holder must propose measures to ensure the safety of navigation in writing to the Licensing Authority. The measures must be implemented as approved.

Reason: To ensure the Licensing Authority is aware of the final position of all infrastructure including the laid position of the cable and rock protection and to ensure navigational safety. To allow adaptive management of potential navigation risk based on the final as laid design.

3.41 Cable Maintenance Plan

3.41.1 The Licence Holder must submit a Cable Maintenance Plan to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activity 3. Licensed Activity 3 may not be undertaken prior to written approval from the Licensing Authority. The Plan must include:

- a) The methods to be used for re-laying and re-burial of repaired cable and removal and reinstatement of any cable protection; and
- b) A timescale for the periodic review of the document.

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- 3.41.2** The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.41.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and agreed in writing by the Licensing Authority prior to any changes being enacted.

Reason: To ensure operation and maintenance procedures are approved adoption best working practices and have considered environmental and navigational mitigation..

3.42 Decommissioning Environment Management Plan (DEMP)

- 3.42.1** The Licence Holder must submit a DEMP to the Licensing Authority for written approval at least **4 months** prior to commencement of Licensed Activity 4. Licensed Activity 4 may not be undertaken prior to written approval from the Licensing Authority. The Plan must include:

- a) The methods to be used for decommissioning; and
- b) A timescale for the decommissioning activities.

- 3.42.2** The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.42.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

- 3.42.3** The Licence Holder must ensure that Licensed Activity 4 is completed prior to the Licence End Date.

Reason: To ensure decommissioning procedures are approved adoption best working practices and have considered environmental and navigational mitigation.

3.43 Navigational Safety

- 3.43.1** The Licence Holder must ensure a regular programme of monitoring of device condition. In case of damage, destruction or decay of any device or part of a device, the Licence Holder shall, as soon as possible and no later than **24 hours** after becoming aware of such damage, destruction or decay, notify Trinity House, Maritime and Coastguard Agency, Kingfisher Information Service of Seafish, UKHO, the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch).

- 3.43.2** In the event of cable exposure on or above the seabed, the Licence Holder must issue a notice to mariners and notify the Kingfisher Information Service of the location and extent of exposure no later than **3 days** following its identification. Copies of all said notices must be provided to the Licensing Authority, Welsh Government Marine & Fisheries Division (Control & Enforcement Branch), Trinity House and Maritime and Coastguard Agency.

Reason: To ensure the safety of navigation.

3.44 Rock Protection

- 3.44.1** The Licence Holder must ensure that rock protection is only used where adequate burial cannot be achieved and that exact locations are reported to the Licensing Authority.

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- 3.44.2** The Licence Holder must ensure that any rock misplaced or lost below Mean High Water Springs is reported to the Welsh Government Marine & Fisheries Division (Control & Enforcement Branch), Maritime and Coastguard Agency and the Licensing Authority within **48 hours**, and located and recovered as directed by the Licensing Authority.

Reason: To ensure the safety of navigation.

3.45 UK Marine Noise Registry

- 3.45.1** The Licence Holder must complete an entry into the UK Marine Noise Registry detailing the proposed dates and locations and nature of the Piling Activities at least **10 days** prior to its commencement.
- 3.45.2** The Licence Holder must amend the marine noise registry proposed activity form should the timing of the Piling Activities alter or no longer remain part of the Project.
- 3.45.3** The Licence Holder must complete an entry into the Marine Noise Registry detailing the actual dates, location(s) and nature of the Piling Activities every **6 months** following the commencement of Piling Activities until the completion of Piling Activities with the final entry to be completed within **8 weeks** of completion of the noisy activity.

Reason: To minimise the risk to marine environment from anthropogenic noise.

3.46 Disposal Returns

- 3.46.1** Certified returns of quantities of substances or articles deposited under this Licence are required to be submitted by **31 January** for the months July to December inclusive and **31 July** each year for the months January to June inclusive. The returns must specify the full Licence number and amount deposited (tonnage) each calendar month at each authorised Deposit Area. Where no deposit is made in a given period a NIL return is required.
- 3.46.2** If this Licence expires during the course of the calendar year and is not superseded by a further Licence relating to the Licenced Activities, a certified return of quantities of substances or articles deposited under this Licence shall be submitted not later than **28 working days** after the Licence End Date.

Reason: To ensure the compliance with Licensed dredge disposal amounts and locations and reporting to OSPAR.

3.47 Inspection of Disposal Vessel

Subject to meeting any mandatory health and safety obligations, the Licence Holder must provide, at reasonable notice, access and, if necessary, appropriate transportation to the disposal vessel to facilitate any inspection that the Licensing Authority, or Marine Enforcement Officers consider may be necessary.

Reason: To allow for inspection of the Licensed Activities to check compliance with the Licence.

3.48 Record of Quantity of Deposited Material

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The Licence Holder must keep a written log of Disposal Activities at the Designated Disposal Site as described in Table 2. This log must be available for inspection by appropriately authorised officers of the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch). The Log must contain the following information:

- a) the name of the vessel;
- b) the quantity and type of each substance disposed at sea;
- c) the date and time of Disposal Activities, and
- d) latitude and longitude position (in WGS84) of the deposit within the Designated Disposal Site.

Reason: To ensure the compliance with Licensed dredge disposal amounts and locations.

3.49 Coatings

The Licence Holder must ensure that any coatings/treatments used in carrying out the Licensed Activities are suitable for use in the marine environment and are used in accordance with best environmental practice.

Reason: To ensure hazardous chemicals that may be toxic, persistent or bio-accumulative are not released into the marine environment and to minimise the risk of marine pollution incidents by adopting best practice techniques.

3.50 Colouring of Infrastructure

The Licence Holder must colour all structures yellow (colour code RAL 1023) from at least the waterline to a height as directed by Trinity House. Unless the Licensing Authority otherwise directs, the Licence Holder must paint the remainder of the structures grey (colour code RAL 7053).

Reason: To ensure the safety of navigation.

3.51 Depth Reduction

The Licence Holder must ensure that any depth reductions resulting from the Works do not compromise safe navigation and that there is no more than **5% reduction** in surrounding depth referenced to Chart Datum at any point without prior written approval from the Licensing Authority.

Reason: To ensure the safety of navigation.

3.52 Mooring verification

The Licence Holder must at all times ensure that the Licensed Activities are maintained in a safe condition that does not present a danger to the environment, or other marine users. Floating devices and any devices suspended in the water column must have a Third-Party verification of the mooring arrangements prior to construction to provide assurance that the moorings are suitable for the expected metocean conditions at the Project's Array location.

Reason: To ensure the safety of navigation.

3.53 Compliance Report

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3.53.1 The Licence Holder must produce and submit a report on compliance with the conditions in this Marine Licence for the approval of the Licensing Authority at least **4 months** prior to commencement of the Licensed Activities or an individual phase of Licenced Activities.

3.53.2 The report must identify where the monitoring has been, or is to be undertaken for each phase of construction. The report must also identify the relevant plans and how conditions have or are to be addressed. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

Reason: To ensure compliance with the marine licence.

9 ANNEX 2: WIND TURBINE GENERATORS (WTGs) AND FLOATING PLATFORM PARAMETERS

Parameter	Minimum	Maximum
Wind Turbine Generators (WTGs) Parameters		
Number of WTGs	-	10
Blade tip clearance (from sea level)	22 m	-
Hub height (HAT)	-	177 m
Tip height (HAT)	-	300 m
Rotor diameter	-	285 m
Rotor swept area	-	63,794 m ²
Blade width (chord width)	-	7 m
Separation distance between WTGs (tower centre to tower centre)	1000 m	-
Average rotation speed	6.2 rpm	8 rpm
Floating Platforms Parameters		
Dimensions of substructure (triangle) (per side)	-	115 m
Dimensions of substructure (rectangle) (width x length)	-	60 m x 120 m
Dimensions of substructure (square) (width x length)	-	80 m x 80 m
Visible footprint area above the water line (per platform)	155 m ²	6500 m ²
Column diameter	12 m	20 m
Column distance (centre to centre)	55 m	100 m
Column height above sea level	16 m	32 m
Operating draught (distance from keel to sea level)	12 m	45 m
Excursion of hull from slack line position / neutral position	-	50 m

10 ANNEX 3: MOORING SYSTEM AND ANCHOR DESIGN PARAMETERS

Parameter	Minimum	Maximum
Mooring System Parameters		
Configuration	Catenary Spread	
Number of mooring lines (per WTG)	-	8
Mooring line length (based on maximum water depths)	-	1250 m
Proportion of mooring line that may come into contact with the seabed	-	150 m
Spread (radius) of mooring lines (based on maximum water depths)	-	1350 m
Horizontal excursion extent	-	54 m
Under-keel clearance	-	40 m
Number of clump weights (per mooring line)	-	25
Seabed footprint of clump weights (per mooring line)	-	100 m ²
Total seabed footprint of clump weights	-	8000 m ²
Total seabed footprint of anchors and chains (per WTG)	-	700 m ²
Configuration	Tensioned	
Number of mooring lines (per WTG)	-	8
Mooring line length (based on maximum water depths)	-	60 m
Proportion of mooring line that may come into contact with the seabed	-	0 m
Spread (radius) of mooring lines (based on maximum water depths) (sided triangle/square)	-	130 m
Horizontal excursion extent	-	35 m
Under-keel clearance	-	35 m
Number of clump weights (per mooring line)	-	0 m
Total seabed footprint of anchors and chains (per WTG)	-	100 m ²
Anchor Design Parameters		
Configuration	Drag embedment anchor	
Number of anchors (per WTG)	-	8
Anchor width	-	6 m
Anchor height	-	4 m
Anchor penetration depth	-	25 m
Seabed footprint per anchor/pile	-	76.5 m ²
Total anchor footprint	-	6120 m ²
Anchor/ weight	-	40 tonnes
Distance of anchor drag during installation	-	75 m
Configuration	Drilled Piles	
Number of piles (per WTG)	-	8
Pile width	-	3.5 m
Pile penetration depth	-	55 m
Pile height above seabed	-	4 m
Seabed footprint per pile	-	15 m ²
Total pile footprint	-	1200 m ²
pile weight	-	300 tonnes
Number of piles installed (per day)	1	4
Volume of drill arising (per pile)	-	529 m ²
Volume of drill arising across the Array Area	-	42300 m ²
Configuration	Driven Piles	

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Number of piles (per WTG)	-	8
pile width	-	3 m
Pile penetration depth	-	55 m
Pile height above seabed	-	4 m
Seabed footprint per pile	-	15 m ²
Total pile footprint	-	1200 m ²
Anchor/pile weight	-	400 tonnes
Pile hammer energy	-	800 kJ
Number of piles installed (per day)	2	6
Piling duration (per day)	90 minutes	180 minutes
Number of concurrent piling events	-	1
Number of days when piling may take place	20	45

11 ANNEX 4: CABLING PARAMETERS

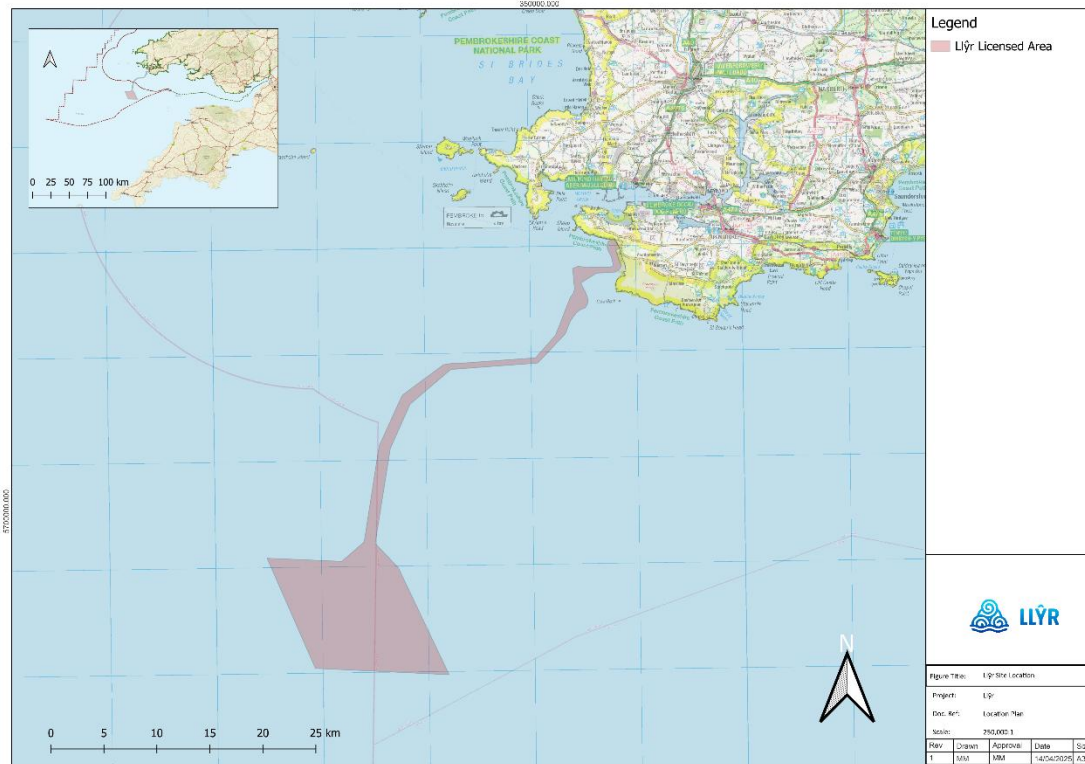
Parameter	Minimum	Maximum
IAC Parameters		
Number of IACs	-	11
Length of each IAC on seabed	-	1.55 km
Cumulative length of IACs in contact with seabed	-	17.10 km
External cable diameter	-	200 mm
Length of touchdown movement (per IAC)	-	150 m
Footprint of touchdown movement (per IAC)	-	4000 m ²
Footprint of touchdown movement (all IACs)	-	44000 m ²
Trench width for cable installation	-	25 m
Total length of aa IAC cable protection (-	3420 m
Width of cable protection	-	5 m
Total area of IAC cable protection	-	17100 m ²
Offshore Export Cable Parameters		
Number of export cables	-	2
Length of each offshore export cable	-	49 km
External cable diameter	-	200 mm
Trench width for export cable installation	-	25 m
Burial depth (where technically possible)	0.8m	-
Length of each export cable requiring iron articulated pipe protection	-	11000 m
Number of cable crossings per cable	-	5
Total number of cable crossings	-	10
Cable Protection Parameters		
Cable protection width	-	5 m
Cable protection height	-	1.5 m
Seabed footprint of static IACs requiring cable protection (per cable)	-	17100 m ²
Seabed footprint of offshore export cables requiring cable protection, including at crossings (per cable)	-	12,000 m ²
Length of cable protection using articulated pipe (per cable)	-	11000 m
Diameter of installed cable protection using articulated pipe	-	500 mm
Volume of cable protection (IAC and 2 x offshore export cables)	-	61650 m ²
Scour Protection Parameters		
Scour protection footprint (per anchor)	-	310 m ²
Scour protection height (per anchor)	-	1 m
Volume of scour protection (per anchor)	-	310 m ³

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Seabed footprint of scour protection across the Array Area	-	24800 m ²
Volume of scour protection across the Array Area	-	24800 m ³
Horizontal Directional Drilling (HDD) Parameters		
Number of successful drilled holes	-	2
HDD length	-	1300 m
HDD drill cuttings volume (total)	-	1,700 m ³
HDD duct diameters	-	660 mm

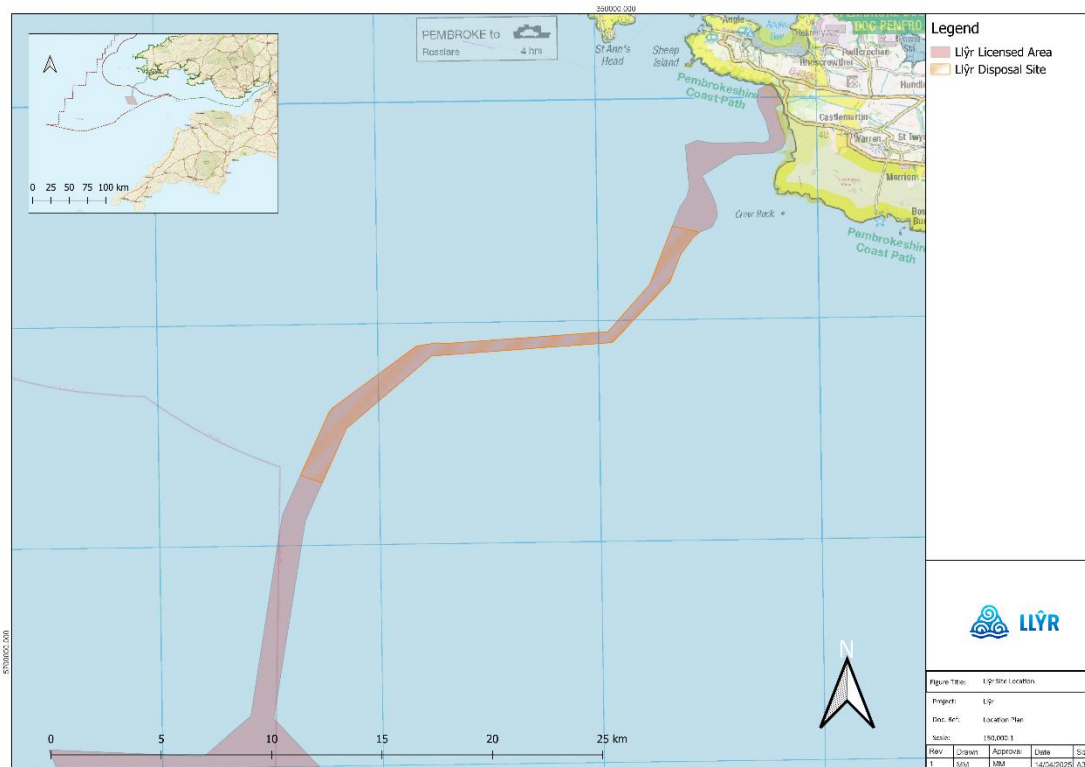
12 ANNEX 5 : MAPS

LICENSED AREA



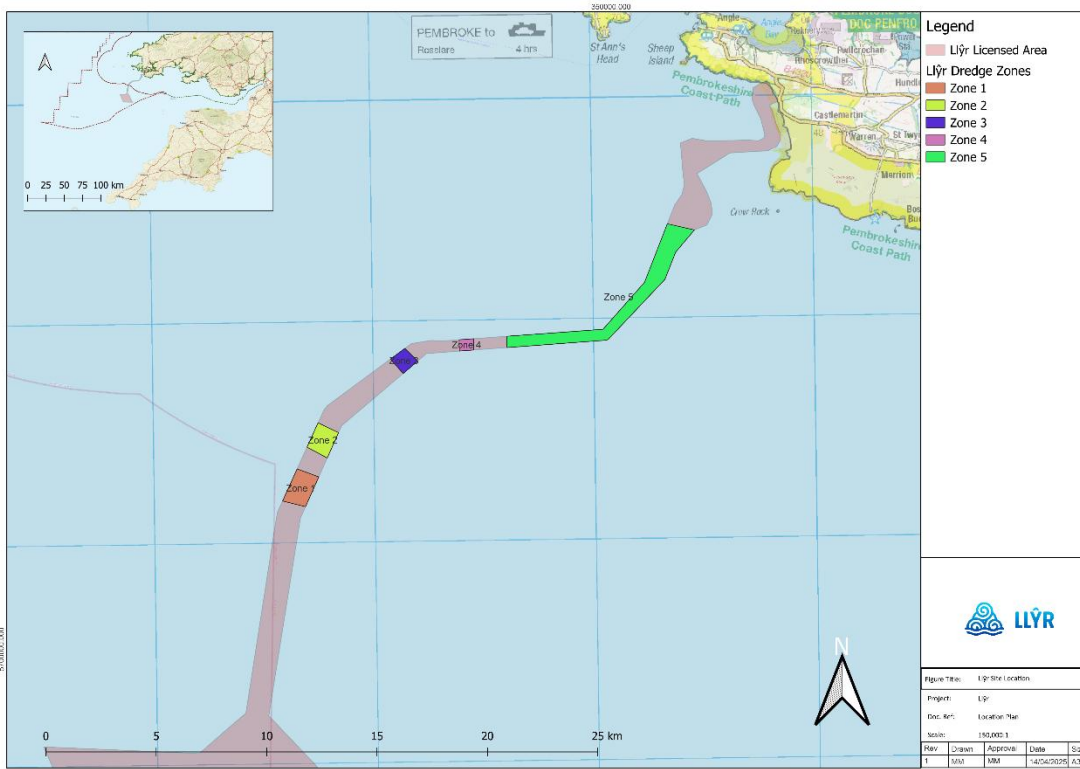
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DISPOSAL SITE



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DREDGE ZONES



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Title/Description of Document	Date Submitted
ORML2465 - LIÿr OWF_marine-works-application-form-21 March 2024_V01	28 August 2024
ORML2465 - Continuation sheet 1	28 August 2024
ORML2465 - Continuation sheet 2	03 September 2024
ORML2465 - LIÿr ES_NTS_Final	28 August 2024
ORML2465 - LIÿr ES_Ch 01_Introduction_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 02_Legislation Policy and Guidance_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 03_Site Selection and Alternatives_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 04_Project Description_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 05_EIA Approach and Methodology_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 06_Consultations and Stakeholder Engagement_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 07_LVIA_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 08_Ecology and Biodiversity_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 09_Historic Environment_FINAL	28 August 2024
ORML2465 - LIÿr ES_Ch 10_Terrestrial Water Environment_FINAL	28 August 2024

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ORML2465 - Liýr ES_Ch 11_Geology_and_Hydrogeology_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 12_Agriculture_and_Soils_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 13_Traffic_and_Transport_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 14_Air_Quality_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 15_Noise and Vibration_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 16_Socio-ec Recreation and Tourism_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 17_Physical Environment_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 18_Marine Water and Sediment Quality_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 19_Benthic Ecology_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 20_Fish and Shellfish_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 21_Marine Mammals_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 22_Marine Ornithology_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 23_SLVIA_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 24_Marine archaeology and cultural heritage_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 25_Shipping and Navigation_FINAL	28 August 2024

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ORML2465 - Liýr ES_Ch 26_Commercial_Fisheries_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 27_Aviation and Radar_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 28_Other Sea Users_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 29_Climate_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 30_Major Accidents and Disasters_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 31_Inter-related Effects Assessment_FINAL	28 August 2024
ORML2465 - Liýr ES_Ch 32_Residual Effects_FINAL	28 August 2024
ORML2465 - Liýr ES_Consultation Report_FINAL	28 August 2024
ORML2465 - Liýr ES_Planning Design and Access Statement_FINAL	28 August 2024
ORML2465 - App 01 Liýr ES - Statement of Competence	28 August 2024
ORML2465 - App 03A Liýr ES - Cable Route Assessment	28 August 2024
ORML2465 - App 03B Liýr ES - Offshore Geological Desk Study	28 August 2024
ORML2465 - App 03C Liýr ES - Landfall Assessment	28 August 2024
ORML2465 - App 04A Liýr ES - OCEMP	28 August 2024
ORML2465 - App 04B Liýr ES - INNS	28 August 2024
ORML2465 - App 04C Liýr ES - Post-Consent Plans	28 August 2024

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ORML2465 - App 04D Liýr ES - Assumptions Log	28 August 2024
ORML2465 - App 04E Liýr ES - RLB Coordinates	28 August 2024
ORML2465 - App 05A Liýr ES - Approach to Cumulative Effects Assessment	28 August 2024
ORML2465 - App 5A Liýr ES - Annex 5A_Long List_FINAL	30 October 2024
ORML2465 - App 05B Liýr ES - Scoping Opinion	28 August 2024
ORML2465 - App 05C Liýr ES - Scoping Responses	28 August 2024
ORML2465 - App 06A Liýr ES - Technical Engagement Log	28 August 2024
ORML2465 - App 07A Liýr ES - LVIA Methodology	28 August 2024
ORML2465 - App 07B Liýr ES - LVIA Detailed Assessment	28 August 2024
ORML2465 - App 07C Liýr ES - LVIA Cumulative Assessment	28 August 2024
ORML2465 - App 08A Liýr ES - Chough Survey Report	28 August 2024
ORML2465 - App 08B Liýr ES - PEA Report	28 August 2024
ORML2465 - App 08C Liýr ES - Bat Survey Report	28 August 2024
ORML2465 - App 08D Liýr ES - HRA Screening	28 August 2024
ORML2465 - App 08E Liýr ES - HRA RIAA	28 August 2024
ORML2465 - App 08F Liýr ES - Green Infrastructure Statement	28 August 2024

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ORML2465 - App 09A LIÿr ES - Heritage DBA	28 August 2024
ORML2465 - App 10A LIÿr ES - Annex A - Drainage Strategy	28 August 2024
ORML2465 - App 10A LIÿr ES - FCA	28 August 2024
ORML2465 - App 10B LIÿr ES - Onshore Water Environment Site Survey Report	28 August 2024
ORML2465 - App 10C LIÿr ES - Onshore WFD	28 August 2024
ORML2465 - App 10D LIÿr ES - Offshore WFD Assessment	28 August 2024
ORML2465 - App 11A LIÿr ES - Phase 1 Desk Study	28 August 2024
ORML2465 - App 11B LIÿr ES - Land Contamination Methodology Tables	28 August 2024
ORML2465 - App 11C LIÿr ES - Potential Areas of Contamination	28 August 2024
ORML2465 - App 11D LIÿr ES - Assessment of Effects and Significance	28 August 2024
ORML2465 - App 13A LIÿr ES - ATC Summary Sheets	28 August 2024
ORML2465 - App 13B LIÿr ES - Raw Accident Data PCC	28 August 2024
ORML2465 - App 13C LIÿr ES - TEMPRO Outputs	28 August 2024
ORML2465 - App 13D LIÿr ES - Erebus Traffic and Transport Chapter	28 August 2024
ORML2465 - App 13E LIÿr ES - Erebus OTMP	28 August 2024

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ORML2465 - App 13F LIÿr ES - Personal Injury Collision Data Analysis	28 August 2024
ORML2465 - App 15A LIÿr ES - Human Hearing and Acoustic Terminology	28 August 2024
ORML2465 - App 15B LIÿr ES - Noise Modelling	28 August 2024
ORML2465 - App 17A LIÿr ES - 2023 Geophysical Survey Report	28 August 2024
ORML2465 - App 17B LIÿr ES - MBES Survey Report	28 August 2024
ORML2465 - App 19A LIÿr ES - Nearshore Benthic Survey Report	28 August 2024
ORML2465 - App 19B LIÿr ES - Offshore Benthic Survey Report	28 August 2024
ORML2465 - App 19C LIÿr ES - EMF Report	28 August 2024
ORML2465 - App 19D LIÿr ES - DDV Survey Report	28 August 2024
ORML2465 - APP 19E LIÿr ES - 2024 Habitat Assessment Report	28 August 2024
ORML2465 - App 20A LIÿr ES - MCZ Assessment	28 August 2024
ORML2465 - App 21A LIÿr ES - Annex A - Additional Model-Based Maps	28 August 2024
ORML2465 - App 21A LIÿr ES - Annex B - Design-Based Estimates	28 August 2024
ORML2465 - App 21A LIÿr ES - Marine Mammal and Megafauna Baseline	28 August 2024
ORML2465 - App 21B LIÿr ES - Underwater Noise Report	28 August 2024

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ORML2465 - App 21C LIÿr ES - Annex A - Impact Assessment Maps	28 August 2024
ORML2465 App 21C LIÿr ES - Annex B -Common Dolphin impact assessment comparison	28 August 2024
ORML2465 - App 21C LIÿr ES - Marine Mammal Underwater Noise Assessment	28 August 2024
ORML2465 - App 22A LIÿr ES - Annex B - Survey Data Analysis - Technical Papers	28 August 2024
ORML2465 - App 22A LIÿr ES - Annex C - Additional Model-Based Maps	28 August 2024
ORML2465 - App 22A LIÿr ES - Annex D - Design-Based Estimates	28 August 2024
ORML2465 - App 22A LIÿr ES - Marine Ornithology Baseline	28 August 2024
ORML2465 - App 22B LIÿr ES - Marine Ornithology Colony Apportioning	28 August 2024
ORML2465 - App 22C LIÿr ES - Marine Ornithology Collision Risk Modelling	28 August 2024
ORML2465 - App 22D LIÿr ES - Annex C SeabORD Displacement Modelling	28 August 2024
ORML2465 - App 22D LIÿr ES - Marine Ornithology Displacement Assessment	28 August 2024
ORML2465 - App 22E LIÿr ES - Marine Ornithology Impact Scenarios	28 August 2024
ORML2465 - App 22F LIÿr ES - Marine Ornithology Population Modelling	28 August 2024
ORML2465 - App 23A LIÿr ES - SLVIA Methodology	28 August 2024

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ORML2465 - App 23B Liýr ES - SLVIA Preliminary Assessment	28 August 2024
ORML2465 - App 23C Liýr ES - SLVIA Detailed Assessment	28 August 2024
ORML2465 - App 23D Liýr ES - Night-time visual assessment	28 August 2024
ORML2465 - App 23E Liýr ES - SLVIA Cumulative Assessment	28 August 2024
ORML2465 - App 24A Liýr ES - Marine Archaeology DBA_	28 August 2024
ORML2465 - App 24B Liýr ES - Archaeological review of marine geophysical and landfall survey data	28 August 2024
ORML2465 - App 24C Liýr ES - Marine archaeology and cultural heritage technical report	28 August 2024
ORML2465 - App 25A Liýr ES - Navigational Risk Assessment	28 August 2024
ORML2465 - App 26A Liýr ES - Commercial Fisheries Baseline Report	28 August 2024
ORML2465 - App 27A Liýr ES - Aviation Risk Assessment	28 August 2024
ORML2465 - App 30A Liýr ES - MA&D Environmental Risk Record	28 August 2024
ORML2465 - App 32A Liýr ES - Mitigation Register	28 August 2024
ORML2465 - Liýr ES_ App 03A_ Cable Route Assessment_FINAL	28 August 2024
ORML2465 - Liýr ES_APP 19E_2024 Habitat Assessment Report_FINAL	28 August 2024

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ORML2465 - App 5A LIÿr ES - Annex 5A_Long List_FINAL	28 August 2024
ORML2465 - Figure 01.1 - Site Location	28 August 2024
ORML2465 - Figure 01.2 - Jurisdiction	28 August 2024
ORML2465 - Figure 02.2 - Onshore Plan	28 August 2024
ORML2465 - Figure 03.02 - LIÿr 1 and LIÿr 2 agreement for lease areas	28 August 2024
ORML2465 - Figure 03.03 - LIÿr 1 Array Area Revisions	28 August 2024
ORML2465 - Figure 03.04 - LIÿr Seabed Desktop Review Area	28 August 2024
ORML2465 - Figure 03.05 - LIÿr 1 Boundary Comparison	28 August 2024
ORML2465 - Figure 03.06 - Survey data coverage and identification of a nearshore Cable	28 August 2024
ORML2465 - Figure 03.07 - Nearshore Cable Route	28 August 2024
ORML2465 - Figure 03.08 - Landfall Locations Considered During the Appraisal Stage	28 August 2024
ORML2465 - Figure 03.09 - Potential Landfall Locations Considered	28 August 2024
ORML2465 - Figure 03.10 - Indicative Onshore Cable Route	28 August 2024
ORML2465 - Figure 03.11 - Substation Locations Considered	28 August 2024
ORML2465 - Figure 04.1 Proposed project Offshore Development Area	28 August 2024

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ORML2465 - Figure 04.2 Proposed project Onshore Development Area	28 August 2024
ORML2465 - Figure 04.3 Nearshore Cable Routing	28 August 2024
ORML2465 - Figure 04.4 Indicative Locations of Sandwave Levelling along the OfECC	28 August 2024
ORML2465 - Figure 04.5 Potential Crossing Points with the Onshore Cable	28 August 2024
ORML2465 - Figure 05A-1 - Onshore Longlist Projects	28 August 2024
ORML2465 - Figure 05A-2 - Llŷr Offshore Longlisted Projects	28 August 2024
ORML2465 - Figure 05A-3 - Llŷr Offshore Longlist Project Detail	28 August 2024
ORML2465 - Figure 07.01 - Landscape Designations	28 August 2024
ORML2465 - Figure 07.02 - National Landscape Character	28 August 2024
ORML2465 - Figure 07.03 - Local Landscape Character	28 August 2024
ORML2465 - Figure 07.04 - Topography	28 August 2024
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ORML2465 P11-LYR-3.4.3-PAP-Rev01-Marine Licence Application Clarifications A2	29 May 2025
ORML2465 2025 03 28 - LIÿr - marine ornithology - clarification note 1 - cumulative & in-combination	23 May 2025
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ORML2465 251107 – LIÿr – Marine Ornithology – Clarification note 3 - FINAL	30 January 2026

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ORML2465 260123 Llŷr Landscape Enhancement Scheme Principles	30 January 2026
ORML2465 260416 Llŷr Marine Mammal Mitigation Plan A2	27 April 2026