

MONA OFFSHORE WIND PROJECT

Marine Licence Principles Document Comparison F01 to F02

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F01



Image of an offshore wind farm

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Prepared by:

Burges Salmon LLP

Prepared for:

Mona Offshore Wind Ltd.

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Glossary

Term	Meaning
Applicant	Mona Offshore Wind Limited.
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for one or more Nationally Significant Infrastructure Project (NSIP).
Local Authority	A body empowered by law to exercise various statutory functions for a particular area of the United Kingdom. This includes County Councils, District Councils, County Borough Councils and unitary authorities.
Marine licence	The Marine and Coastal Access Act 2009 requires a marine licence to be obtained for licensable marine activities. Section 149A of the Planning Act 2008 allows an applicant for a DCO to apply for 'deemed marine licences' as part of the DCO process. In addition, licensable activities that are not wholly outside 12 nm of Welsh inshore waters require a separate marine licence from Natural Resources Wales (NRW).
Nationally Significant Infrastructure Project (NSIP)	Large scale development including power generating stations which requires development consent under the Planning Act 2008. An offshore wind farm with a capacity of more than 350MW in Wales, constitutes an NSIP.
Order limits	The limits shown on the offshore order limits and grid coordinates plan within which the authorised scheme may be carried out.
Relevant Local Planning Authority	The Relevant Local Planning Authority is the Local Authority in respect of an area within which a project is situated, as set out in Section 173 of the Planning Act 2008. Relevant Local Planning Authorities may have responsibility for discharging requirements and some functions pursuant to the Development Consent Order, once made.
Statutory consultee	Organisations that are required to be consulted by an applicant pursuant to the Planning Act 2008 in relation to an application for development consent. Not all consultees will be statutory consultees (see non-statutory consultee definition).

Acronyms

Acronym	Description
AIS	Automatic Identification System
CMS	Construction Method Statement
CRA	Chemicals Risk Assessment
CSIP	Cable Specification and Installation Plan
DCO	Development Consent Order
dML	Deemed Marine Licence
DOP	Dropped Objects Plan
EMP	Environmental Monitoring Plan
HAT	Highest astronomical tide
KISS	Kingfisher Information Service of Seafish
LAT	Lowest astronomical tide
MCA	Marine Coastguard Agency

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Acronym	Description
MCAA	Marine and Coastal Access Act 2009
MEO	Marine Enforcement Officer
MHWS	Mean High Water Springs
MMMP	Marine Mammal Mitigation Protocol
NRW	Natural Resources Wales
NRW ML	Natural Resources Wales Marine Licence
NRW-MLT	Natural Resources Wales Marine Licensing Team
NSIP	Nationally Significant Infrastructure Project
OFTO	Offshore Transmission Operator
OMP	Operations and Management Plan
OREI	Offshore Renewables Energy Installation
OSP	Offshore Substation
PAD	Protocol for Archaeological Discoveries
PEMP	Project Environmental Management Plan
SAC	Special Area of Conservation
UKHO	United Kingdom Hydrographic Office
UWSMS	Under Water Sound Management Strategy
UXO	Unexploded Ordnance
VHF	Very high frequency
WGMFD (C&E)	Welsh Government Marine and Fisheries Division (Control & Enforcement)
WSI	Written Scheme of Investigation

Units

Unit	Description
nm	Nautical mile
cm	Centimetre
m ³	Cubic meters

1 Marine Licence Principles

1.1 Introduction

- 1.1.1.1 This document provides a tabulation of the principles which are anticipated to inform the transmission assets marine licence for the Mona Offshore Wind Project. Two marine licences are sought for the Mona Offshore Wind Project:
- a licence in respect of the generation assets, to be deemed as part of the Mona Offshore Windfarm Development Consent Order (DCO) (the 'deemed marine licence' or 'dML'); and
 - a separate licence in respect of the transmission assets, to be granted by Natural Resources Wales (NRW) as the relevant authority for marine licensing (the 'NRW marine licence' or 'NRW ML').
- 1.1.1.2 As the generation assets for the Mona Offshore Wind Project are wholly located outside 12 nautical miles and within the Welsh offshore region it is possible under s149A of the Planning Act 2008 for these to be authorised through a deemed marine licence within the DCO. The transmission assets are located within both the Welsh inshore and offshore regions and therefore require a separate marine licence from NRW.
- 1.1.1.3 This document marks a point of progress that has been reached with NRW's Marine Licencing Team (NRW-MLT) on the drafting of the two marine licences but should not be considered prejudicial to NRW's process for determining the NRW ML. Table 1 presents a summary of the details anticipated to be contained within the NRW ML (based on the Awel y Môr offshore wind farm transmission marine licence (ref ORML2233T)) as compared to the dML, with accompanying notes that focus on how the two licences are anticipated to align and any expected areas of difference in their drafting. The Awel y Môr transmission marine licence has been used as it is the most recent ML issued by NRW-MLT for an offshore wind farm nationally significant infrastructure project (NSIP).
- 1.1.1.4 There is intentional spatial overlap between the proposed marine licence areas. There is also intentional duplication of the four offshore substation platforms (OSPs) and the inter-connector cables in the marine licences.
- 1.1.1.5 The overlap between the generation and transmission assets is driven by the offshore transmission operator (OFTO) regime. The transmission assets will be consented and constructed by Mona Offshore Wind Limited but must then be transferred to a separate OFTO. Having separate licences for these works avoids the complexity of splitting a single marine licence post-construction and any uncertainty over enforcement.
- 1.1.1.6 As the detailed design of the Mona Offshore Wind Project will only be done after consent is secured it is not possible at this stage to determine where the OSPs will be located within the generation area and hence the location of the transmission works. This means that the transmission marine licence area includes all of the generation licence area where the wind turbines will be located.
- 1.1.1.7 In addition, it has not been determined whether the OSPs and the interconnector cables will be transferred to the OFTO. This is why the OSPs and interconnector cables are included in both the generation and the transmission marine licences. It is a requirement of the DCO (Schedule 2, requirement 2) and the dML and NRW ML that the total number of OSPs to be constructed for the Mona Offshore Wind Project

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may not exceed four, the total length of the interconnector cables must not exceed 50 km and that NRW-MLT must be informed of the location of the OSPs prior to construction.

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Table 1.1: Marine Licence Principles.

Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Licence Details	Marine licence				
Licence Details	Marine licence	Introductory text granting the licence with reference to Pt 4 of the MCAA 2009	✓	✓	See DCO dML paragraph 2.
Licence Details	Licence holder	Details of licence holder – Mona Offshore Wind Limited	✓	✓	dML is granted to the ‘undertaker’ defined in paragraph 1 as “Mona Offshore Wind Limited (company registration number 13497266) whose registered office address is Chertsey Road, Sunbury on Thames, Middlesex, United Kingdom, TW16 7BP” (hereinafter referred to as the Applicant).
Licence Details	Licence validity	Details of start date, end date and issue date	x	✓	<p>dML comes into force as part of the DCO on the date specified by Secretary of Statesecretary of state. The dML is stated to be in place until the authorised scheme is decommissioned (see dML paragraphdML paragraph 6) but no end date is specified for either the DCO or dML asdML as they are not time limited consents.</p> <p>dML and NRW ML authoriseauthorises construction, operation and maintenance and decommissioning. The NRW ML also authorises construction, operation and maintenance. A standalone ML will be applied for prior to decommissioning of the authorised scheme to authorise licensable decommissioning activities (separately for the generation and transmission assets as these will be in separate ownership).</p>
Licensed Activities	Project	Description of the Project	✓	✓	<p>dML includes details of generation assets comprising an offshore wind generating station with electrical output capacity of over 350MW350mw comprising:</p> <p><i>Work No. 1:</i></p> <ul style="list-style-type: none"> (a) up to 96 wind turbine generators each fixed to seabed by a foundation; (b) a network of subsea inter-array cables between the wind turbine generators and offshore substation platforms including cable crossings and cable protection;

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					<p>(c) up to four offshore substation platforms each fixed to the seabed by a foundation; and</p> <p>(d) a network of subsea interconnector cables between the offshore substation platforms including cable crossings and cable protection;</p> <p>and connection with the licensed activities in Work No. 1 and to the extent that they do not otherwise form part of any such work, further associated development comprising such other works as may be necessary or expedient for the purposes of or in connection with the relevant part of the authorised scheme and which fall within the scope of the work assessed by the environmental statement, including—</p> <p>1.1.1. scour protection around the foundations of the offshore structures;</p> <p>1.1.2. cable protection measures such as the placement of rock and/or concrete mattresses, with or without frond devices;</p> <p>1.1.3. dredging;</p> <p>1.1.4. the removal of material from the seabed required for the construction of Work No <u>work no</u> 1 and the disposal of inert material of natural origin and/or dredged material produced during construction drilling, and seabed preparation for foundation works, cable installation preparation such as sandwave clearance, boulder clearance and pre-trenching;</p> <p>1.1.5. creation and use of temporary vessel laydown areas, use of cable anchors;</p> <p>1.1.6. temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised scheme;</p> <p>1.1.7. removal of static fishing equipment;</p> <p>1.1.8. the use of extracted seabed material within</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					<p>gravity base foundations;</p> <p>1.1.9. lighting;</p> <p>1.1.10. marking buoys, beacons, fenders and other navigational warning or ship impact protection works.</p> <p>Thethe transmission works up to MHWS to be authorised through the DCO comprise:</p> <p><i>Work No. 2:</i> installation of up to four subsea export cable circuits between Work No. 1 and Work No. 3 including cable crossings and cable protection;</p> <p><i>Work No. 3:</i></p> <ul style="list-style-type: none"> (a) installation of up to four subsea cable circuits between Work No. 2 and Work No. 8 including cable ducts and cable crossings; (b) trenchless installation technique works; and (c) access during construction, operation, maintenance and decommissioning.
Licenced Activities	Activity 1 – Construction, and Maintenance of export cables and substation platforms	<p>Type of licenced activity: Deposit/removal/construction</p> <p>Description: Construction, operation and maintenance of:</p> <ul style="list-style-type: none"> - Upup to four subsea export cable circuits including cable crossings and cable protection - Upup to four offshore substation platforms each fixed to the seabed by a foundation and 	✓	✓	<p>DCO dML – aligns with Work Nos. 2 and 3 within Schedule 1 Part 1 of the DCO and the related associated development and ancillary works.</p> <p>Materialsmaterials to be removed or deposited are noted in the NRW ML application form and are consistent with those listed in paragraph 4 of the dML for the generation assets:</p> <ul style="list-style-type: none"> - iron, steel, copper and aluminium; - stone and rock; - concrete and grout; - sand and gravel; - plastic and synthetic; - material extracted from within Work No 1 during

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<p>interconnector cables connecting the OSPs to each other</p> <ul style="list-style-type: none"> - Inin the intertidal area installation of up to four subsea cable circuits including cable ducts and cable crossings; and trenchless installation technique works. <p>Inin connection with the following licensable activities may be carried out in line with the scope assessed by the Environmental Statementenvironmental statement.</p> <p>Additional Licencedadditional licenced activities:</p> <ul style="list-style-type: none"> - scour protection around the foundations of the offshore structures; - cable protection measures such as the placement of rock and/or concrete mattresses; - the removal of material from the seabed and the disposal of inert material of natural origin within the Orderorder limits produced during construction drilling, seabed preparation for foundation works, cable installation preparation such as sandwave clearance, boulder clearance and pre-trenching; 			<p>construction drilling or seabed preparation for foundation works and cable sandwave preparation works; and</p> <ul style="list-style-type: none"> - marine coatings, other chemicals and timber.

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<ul style="list-style-type: none"> - the use of extracted seabed material within gravity base foundations; - temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised scheme; - removal of static fishing equipment; and - marking buoys, beacons, fenders and other navigational warning or ship impact protection works. <p>Materials to be removed or deposited:</p> <ul style="list-style-type: none"> (a) iron, steel, copper and aluminium; (b) stone and rock; (c) concrete and grout; (d) sand and gravel; (e) plastic and synthetic; (f) material extracted during construction drilling or seabed preparation for foundation works and cable sandwave preparation works; and (g) marine coatings, other chemicals and timber. <p>Quantities/Dimensions:</p>			

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		The licenced activities must be constructed in accordance with the parameters assessed in the Environmental Statement as detailed within <i>[final ES references will be added to ML by NRW]</i> .			
Licensed Activities	Activity 2 – Ground Investigation Works	<p>Type of licenced activity: Removal</p> <p>Description: The removal of sediment samples for the purposes of informing environmental monitoring under this licence during pre-construction, construction, <u>and</u> operation and decommissioning in line with the approved Environmental Monitoring Plan.</p> <p>Material types to be removed: Seabed sediment – stone rock, sand gravel.</p>	✓	✓	<p>DCO dML paragraph 2(d) authorises the removal of sediment samples for the purposes of informing environmental monitoring under the licence during pre-construction, construction and operation.</p> <p>NOTENote: the dML condition does not specify sediment material types.</p>
Dropped Objects	Activity 3 – Removal of accidentally dropped objects	<p>Type of licenced activity: Removal</p> <p>Description, material types and quantities As approved by NRW.</p>	✓	✓	dML condition 16(10) requires notification to NRW of all dropped objects in accordance with the dropped objects plan. Following notification, NRW may require relevant surveys to be carried out by the Applicant (such as side scan sonar).
Removal Activities (NEW)	Activity 4 – UXO	ML condition will be needed to secure details of proposed UXO	✓	✓	See DCO dML condition 21.

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
CONDITION)	clearance	<p>clearance activity.</p> <p>Type of licenced activity:</p> <p>Removal</p> <p>Description, material types and quantities</p> <p>Detonation of UXO in advance of commencement of the licenced activities.</p>			<p>No removal or detonation of UXO can take place until the following have been submitted to and approved in writing by NRW in consultation with the relevant statutory nature conservation body and, in respect of the method statement, the MCA:</p> <ol style="list-style-type: none"> 1. a method statement for UXO clearance which must include- <ol style="list-style-type: none"> i. methodologies for (aa) identification and investigation of potential UXO targets (bb) clearance of UXO and (cc) removal and disposal of large debris; ii. a plan showing the area in which clearance activities are proposed to take place; iii. a programme of works; and iv. any exclusion zones/environmental micro-siting requirements. (b) a marine mammal mitigation protocol in accordance with the outline protocol which is to prevent injury to marine mammals following current best practice as advised by the relevant statutory nature conservation body. <p>The method statement and marine mammal mitigation protocol must be submitted to NRW for approval at least <u>3 months</u> prior to the date on which it is intended for UXO clearance activities to begin, and any UXO clearance activities must be undertaken in accordance with these documents.</p> <p>An UXO close out report must be submitted to NRW and the relevant statutory nature conservation body within <u>3 months</u> following the end of the UXO clearance activity and must include:</p> <ol style="list-style-type: none"> (a) co-ordinates, depth, current speed, charge utilised and the date and time of each detonation; (b) whether any mitigation was deployed including feedback on practicalities of deployment of equipment and efficacy

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					<p>of the mitigation where reasonably practicable, or justification if this information is not available.</p> <p>(c) whether any mitigation was deployed including feedback on practicalities of deployment of equipment and efficacy of the mitigation where reasonably practicable, or justification if this information is not available.</p> <p>(d) Should there be more than one UXO clearance activity, the report will be provided at intervals agreed with NRW.</p> <p>See the Outline marine mammal mitigation protocol (Document Reference J21).</p>
Disposal Activities	Activity 5 – Disposal to designated site	<p>Type of Licenced activity</p> <p>Disposal.</p> <p>Description</p> <p>Source of internal material of natural origin and/or dredged material produced during construction and seabed preparation works associated with the licenced activities.</p> <p>Methods of dredging such as vessels using suction hoppers or similar</p> <p>Maximum dredge depth</p> <p>6<u>5</u> m below chart datum.</p> <p>Maximum volume and tonnage of material to be disposed of under this licence;</p> <p>2,671,415m³</p>	✓	✓	<p>DCO dML paragraph 2(g) authorises the disposal of up to 13,037,497 cubic metres of inert material of natural origin within Work No 1 produced during construction drilling or seabed preparation for foundation works, cable works and boulder clearance works.</p> <p>Note: The disposal volumes authorised through the dML and ML will both include the amount needed for the OSPs (735,415 m³) and interconnector cables (432,000<u>432,000</u> m³). Through the approval of details under dML condition 18(1)(a) NRW will be able to ensure the overall maximum volume is not exceeded.</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<p>Designated disposal site</p> <p>Offshore order limits</p> <p>Material Type</p> <p>Sand/gravel/silt/clay as described in the application form submitted March 2024 and in the Disposal Site Characterisation Report</p>			
Licensed Area/Order Limits	Licensed area	NRW ML will include both a plan and a list of co-ordinates of the licenced area.	✓	✓	Schedule 1 Part 1 of the DCO includes a list of the co-ordinates for the offshore Order Limits which will align with the NRW ML licenced area.
Disposal	Permitted Disposal site	Offshore order limits	✓	✓	dML paragraph 2(g) authorises disposal within Work No 1.
Certified Documents	Approved supporting documents	NRW ML will list out approved documents.	✓	✓	DCO includes a list of certified documents at Schedule 15. Updates to relevant NRW ML documents provided to the DCO examination will also be provided to NRW to ensure final versions are approved/certified. See 2section 1.3 for list of certified documents.
	Notifications				
Notification and Inspection	Notification of commencement	<p>Requires notification to NRW, Welsh Government Marine and Fisheries (Control and Enforcement Branch) (WGMFD (C&E)), HM Coastguard, local mariners and fishermen's organisations and UKHO at least <u>10 days</u> prior to commencement of the licenced activities.</p> <p>Local notifications to marine users to be reissued weekly while construction activities are ongoing and at least <u>5 days</u> before planned</p>	✓	✓	<p>dML condition 13(6) requires notification to NRW and the Marine Enforcement Office (MEO) <u>10 days</u> prior to commencement of the authorised scheme or any part thereof.</p> <p>dML condition 13(8) requires notification to mariners <u>14 days</u> prior to commencement of the authorised scheme or any part thereof. Local notification must be updated and reissued at regular intervals during construction activities and at least <u>5 days</u> before any planned operation and maintenance works.</p> <p>dML condition 13(7) requires notification to KISS <u>14 days</u> prior to commencement of offshore activities.</p> <p>See the Outline fisheries co-existence and liaison plan</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		operations and maintenance. Kingfisher Information Service of Seafish (KISS) and Defence Geographic Centre to be notified at least <u>14 days</u> in advance of the commencement of Licenced Activities or any phase of them. Notification to KISS must include the start date of works and expected vessel routes. Notification to the Defence Geographic Centre should include the date of commencement of construction, the date any offshore electrical installations are brought into use and the maximum height of any construction equipment to be used.			(Document Reference J13).
Notification and Inspection	Notification of Vessels and/or Vehicles	Details of vessels and vehicles undertaking licenced activities to be provided to NRW-MLT and WGMFD (C&E) <u>24 hours</u> prior to commencement of licenced activities.	✓	✓	dML condition 23(2) requires <u>24-hour</u> notice to NRW and MEO prior to commencement of any vessel being used to carry out the licenced marine activities and must include the master's name, vessel type, vessel IMO number and vessel owner or operating company. See the Outline vessel management plan (Document Reference J14).
Notification and Inspection	Notification of Agents/Contractors/S ub-contractors	Details of all agents, contractors or sub-contractors used to undertake the Licenced Activities to be provided to NRW MLT <u>24 hours</u> prior to commencement of licenced activities.	✓	✓	dML condition 23 requires <u>7 days</u> ' notice of appointment of any agent or contractor engaging in licenced marine activities. This notice must include the name, function, company number (if applicable), registered or head office address of any agent or contractor appointed.
Notification and Inspection	Notification of HM Coastguard	Notification of the licenced activities to be provided to HM Coastguard <u>24 hours</u> prior to commencement	x	✓	No equivalent provision in dML

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Notification and Inspection	Inspection of Licenced Activities	Marine Enforcement Officers to be allowed to inspect the works at any reasonable time.	✓	✓	dML condition 13(5) requires the undertaker to provide access, and if necessary appropriate transportation, to the offshore construction site or any other associated works or vessels to facilitate any inspection that the NRW or the MEO considers necessary to inspect the works during the construction and operation of the authorised scheme
Notification and Inspection	Notification of Completion	Requires notification to NRW, WGMFD (C&E) and UKHO within <u>10 days</u> of completion of the licenced activities or an individual phase of such. KISS to be notified as soon as practicable and no later than <u>24 hours</u> after completion of the licenced activities or an individual phase of such.	✓	✓	dML condition 13(6) requires notification to NRW and the MEO within <u>10 days</u> of completion of the construction of the authorised scheme. dML condition 13(10) requires notification to UKHO within <u>14 days</u> of completion of the construction of the authorised scheme or any part thereof. Copies of all notices must be provided to NRW, the MEO and MCA within <u>5 days</u> . dML condition 15(2)(c) requires notification to Trinity House within <u>5 days</u> of completion of construction of the authorised scheme. dML condition 13(7)(b) requires notification to KISS with details of the vessel routes, timings and locations relating to the construction of the authorised scheme as soon as reasonably practicable and no later than <u>24 hours</u> following completion of the construction of the authorised scheme.
Notification and Inspection	Accident or Emergency	Requires notification of non-permitted deposit of any substances or articles by force majeure to NRW, Trinity House and Marine Coastguard Agency (MCA) within <u>48 hours</u> of the incident occurring Recovery or removal of equipment dropped because of accident or emergency is permitted provided that methodology for recovery is approved by NRW. Requirement to submit a Dropped Object Plan (DOP) to NRW <u>4</u>	x	✓	dML condition 17 requires notification to NRW, Trinity House and MCA within <u>48 hours</u> if, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the authorised deposits within or outside of the Order limits because the safety of human life or of the vessel is threatened. dML condition 16(10) requires notification of all dropped objects to NRW in accordance with the dropped objects plan. This plan must be submitted to and approved by NRW at least <u>4 months</u> prior to commencement of the licenced marine activities.

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<u>months</u> prior to commencement of Licenced Activities.			
Notification and Inspection	Distribution of Copies of this Licence	Copy of the marine licence must be given to all agents, contractors and subcontractors who have been notified as such to NRW, and the Masters of any vessels and transport managers responsible for vehicles in accordance with the marine licence.	✓	✓	dML condition 13 requires distribution of a copy of the licence to agents and contractors, and masters and transport managers and requires their confirmation of receipt of such within <u>28 days</u> in writing to NRW.
Notification and Inspection	Inspection of Documents	Copies of the marine licence must be made available to the public at the address of the licence holder, any site office at or adjacent to the licenced area, and on board each vessel or vehicle carrying out the Licenced Activities.	✓	✓	dML condition 13(3) requires copies of the licence to be available for inspection at the Applicant's registered address, any site office located at or adjacent to the construction site and on board each vessel and at the office of any transport manager with responsibility for vessels. See the Outline fisheries co-existence and liaison plan (Document Reference J13).
Vessels, Plant and Equipment					
Vessels, plants and equipment	Notified Contractors, Vessels and/or Vehicles only to Carry out Licenced Activities	Only agents, contractors, sub-contractors, vessels and/or vehicles whose details have been notified to NRW may operate under the licence. Changes must be notified to NRW and WGMFD (C&E).	✓	✓	dML condition 23 requires any changes to supplied details to be notified to NRW in writing at least <u>24 hours</u> before the agent, contractor or vessel engages in the licenced marine activities.
Vessels, plants and equipment	Equipment, Structures and Access	Requirement to ensure that all equipment, temporary structures, access tracks, waste and/or debris are removed on completion.	x	✓	No equivalent provision in dML
Safety					
Safety	Removal of Deposited Material	Requirement to remove any deposit specified by NRW or Marine Enforcement Officers for the safety of navigation within one month of	x	✓	No equivalent provision in dML

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		being given notice and shall not replace such material without written approval by NRW.			
	Pollution Control				
Pollution control	Pollution Prevention	Requirement to ensure that pollution prevention best practice is adhered to at all times. Any incidents must be reported to NRW as soon as possible.	✓	✓	dML condition 16 requires: <ul style="list-style-type: none"> - the project and use of chemicals to comply with the International Convention for the Prevention of Pollution from Ships; - the Applicant to ensure that any coatings and treatments are suitable for use in the marine environment and are used in accordance with guidelines approved by the Health and Safety Executive and the Environment Agency Pollution Prevention Control Guidelines; - the Applicant to inform NRW in writing of the time, date, location and quantities of material disposed of each month by submission of a disposal return by 31 January each year for the months July to December inclusive, and by 31 July each year for the months January to June inclusive; - the Applicant to report any misplacement or loss of any rock material used in connection with the construction of the project to the local enforcement office within 48 hours and if NRW, in consultation with the MEO, reasonably considers such material to constitute a navigation or environmental hazard, the Applicant must demonstrate to NRW that reasonable attempts have been made to locate, remove or move any such material; - the Applicant to ensure no waste concrete slurry or wash water from concrete or cement works are discharged into the marine environment. Concrete and cement mixing and washing areas must be contained to prevent run off entering the water

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					<p>through the freeing ports; and</p> <ul style="list-style-type: none"> - the Applicant to ensure that any oil, fuel or chemical spill within the marine environment is reported to NRW in accordance with the marine pollution contingency plan (which will be part of the Offshore Environmental Management Plan).
Pollution control	Spillage of Pollutants	Requirement to 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.	✓	✓	<p>dML condition 16 requires:</p> <ul style="list-style-type: none"> - the storage, handling, transport and use of fuels, lubricants, chemicals and other substances must be undertaken so as to prevent releases into the marine environment including bunding of 100 percent of the total volume of all reservoirs and containers; - the Applicant to ensure that only inert material of natural origin, produced during the drilling installation of or seabed preparation for foundations, and drilling mud is disposed of within the Order limits; and - the Applicant to ensure that any rock material used in the construction of the authorised scheme is free from a recognised source, free from contaminants and containing minimal fines.
Pollution control	Prevention of Man-made Debris	Requirement to 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.	x	✓	No specific equivalent provision in dML, but see condition 16 above.
Activity Specific Conditions					
Activity Specific Conditions	Project Parameters	Licence Holder must ensure the Licenced Activities fall within the parameters detailed in [NRW to	✓	✓	See dML condition 10. Project parameters are set out in section 1.4 .

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Activity Specific Conditions	Cable Specification and Installation Plan	<p><i>insert relevant ES chapters]</i></p> <p>Requirement to submit a Cable Specification and Installation Plan (CSIP) to NRW <u>4 months</u> prior to commencement of cable construction and deposit works, which must include:</p> <ul style="list-style-type: none"> - Technical specifications; - Location, including outlines of cable crossings, burial, and surface laid sections; - Timings, including duration of intertidal works; - Burial risk assessment to ascertain burial depths and cable laying techniques including cable protection. The assessment should identify any cable protection that exceeds 5% of navigable depth referenced to chart datum. In the event that any area of cable protection exceeding 5% of navigable depth is identified, the details of any steps to be taken to ensure existing and future safe navigation is not compromised, should be presented; - Proposed locations, types, and quantities of cable protection to be deposited; - Installation and cable 	x	✓	<p>Equivalent commitments are not required within the dML as it does not authorise any activities within Constable Bank or the Menai Strait and Conwy Bay Special Area of Conservation (SAC). However, unless otherwise agreed restrictions will apply as follows.</p> <p>Sandwave clearance on the Constable Bank will only be permitted within the swept path area (20m) of the cable burial tool. No sandwave clearance will be permitted within the Menai Strait and Conwy Bay SAC.</p> <p>There will be no cable protection within the Constable Bank</p> <p>There will be no cable protection higher than 70 cms to be permitted within the Menai Strait and Conwy Bay SAC. The percentage of export cable within the Menai Strait and Conwy Bank swept path analysis will not exceed 10% of total length of cable within the SAC.</p> <p>dML condition 18(1)(d)(i) requires submission of a CSIP incorporating a cable burial risk assessment encompassing the identification of any cable protection that exceeds 5 % of navigable depth referenced to Chart Datum and, if this is identified, details of any steps to be taken (in consultation with MCA and Trinity House) to ensure existing and future safe navigation is not compromised or similar such assessment to ascertain suitable burial depths and cable laying techniques, including cable protection.</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<p>laying techniques;</p> <ul style="list-style-type: none"> - Cable crossing armouring methodology; - Installation machinery failure contingency plan; - Transport management plan; - Location, type, and quantity of any wet-stored cabling and/or cable protection and the proposed duration of the wet storage; - Proposals for monitoring offshore cables including cable protection during the operational lifetime of the authorised scheme which includes a risk based approach to the management of unburied or shallow buried cables, and - Specific consideration to be given to the choice of cable protection material that can be demonstrated to maximise environmental biodiversity benefits, whilst meeting technical need. <p>To ensure that any actions outlined in the Programme of Works are implemented as approved in writing by NRW. Any proposed changes to the actions outlined in the</p>			

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		documents must be submitted to, and approved in writing by, NRW prior to any changes being enacted.			
Activity Specific Conditions	Programme of Works	<p>Requirement to submit a Programme of Works for each individual phase of the Licenced Activity to NRW <u>4 months</u> prior to commencement.</p> <p>The Programme of Works for each individual phase must include:</p> <ul style="list-style-type: none"> - The planned timetable for each of the Licenced Activities; - A plan for notifying NRW, MCA and Trinity House of the commencement and completion of each phase of licenced activities and of any changes to the planned timetable; and - A full list of materials to be deposited and removed from the marine environment. 	✓	✓	<p>dML condition 18(1)(b) requires submission of a construction programme <u>4 months</u> prior to commencement of the marine licenced activities. This must include:</p> <ul style="list-style-type: none"> - the proposed construction start date; - proposed timings for mobilisation of plant delivery of materials and installation works; and - an indicative written construction programme for all wind turbine generators and OSPs forming part of the authorised scheme and licenced marine activities. <p>See notification requirements under dML condition 13 (as above).</p> <p>dML condition 21 which requires submission of a programme of works to be included in the method statement for UXO clearance to NRW prior to commencement of removal or detonation of UXO.</p>
Activity Specific Conditions	Operations and Maintenance Plan (OMP)	Requirement to submit an OMP to NRW <u>4 months</u> prior to operation, which must include detail of the methodology for operation and maintenance of infrastructure and a timescale for periodic review.	✓	✓	<p>dML condition 11(3) requires submission of an operations and maintenance plan in accordance with the outline plan to NRW prior to carrying out any maintenance works and condition 18(1)(g) requires submission of an offshore operations and maintenance plan to NRW at least <u>4 months</u> prior to commencement of operation of the authorised scheme, and to provide for review and submission every three years during the operational phase.</p> <p>See the Outline offshore operations and maintenance plan (Document Reference J12).</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Activity Specific Conditions	Installed Cable Report	<p>Requirement to provide a cable report which must include:</p> <ul style="list-style-type: none"> - the final locations (in WGS84) and technical specifications of the cables, of buried and surface-laid sections of the cables, types and quantities of cable protection used, deposited, or installed; and - identification of potential dangers to navigation to NRW. <p>within 4 months of completion of the Licenced Activities. In the event that any potential danger to navigation is identified following completion, the Licence Holder must propose measures to ensure the safety of navigation in writing to NRW for written approval. The measures must be implemented as approved by NRW.</p>	✓	✓	<p>dML condition 28 requires submission to NRW, MCA , Trinity House, UKHO and the relevant statutory nature conservation body of a close-out report within <u>4 months</u> of completion. This must include:</p> <ul style="list-style-type: none"> - the final number of installed wind turbine generators; - the installed wind turbine generator parameters; - as built plans; - latitude and longitude coordinates of the centre point of the location for each wind turbine generator and OSP provided as Geographical Information System data referenced to WGS84 datum; and - latitude and longitude coordinates of the inter-array and interconnector cables provided as Geographical Information System data referenced to WGS84 datum.
Activity Specific Conditions	Post-construction As-Built Report	<p>Requirement to provide confirmation of construction completion date, as built plans, latitude and longitude coordinates of the centre point of location for OSP and of export cable routes provided as Geographical Information System data to NRW within 4 months of completion of construction of OSPs. The measures must be implemented as approved by NRW.</p>	✓	✓	See dML condition 28 (above).

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Activity Specific Conditions	Project Environmental Management Plan (PEMP)	Requirement to submit a PEMP to NRW at least <u>6 weeks</u> prior to commencement of the Licenced Activities. This must include a Marine Pollution Contingency Plan. The measures must be implemented as approved by NRW.	✓	✓	<p>See dML condition 18((1)(e) requires submission of an offshore environmental management plan <u>4 months</u> prior to commencement of the authorised scheme.</p> <p>This needs to include:</p> <ul style="list-style-type: none"> - a marine pollution contingency plan; - a chemical risk assessment; - waste management and disposal arrangements; - the appointment and responsibilities of a fisheries liaison officer; - a fisheries liaison and co-existence plan; - measures to minimise disturbance to marine mammals and rafting birds from vessels; and - measures to minimise the potential spread of invasive non-native species. This includes a commitment not to undertake works in the Liverpool Bay SPA between 1 November and 31 March as part of the offshore environmental management plan. <p>See the measures to minimise disturbance to marine mammals and rafting birds from transiting vessels (Document Reference J17) and outline fisheries liaison and co-existence plan (Document Reference J13).</p>
Activity Specific Conditions	Project Layout Plan	Requirement to submit a Project Layout Plan to NRW at least <u>6 months</u> prior to commencement of the Licenced Activities. This plan should set out the number, dimensions, specification, foundation type(s) and depth for each OSP, the grid coordinates of the centre point of the proposed location for each OSP, proposed layout of all cables and location and specification of all other aspects of the authorised scheme. The	✓	✓	<p>dML condition 18(1)(a) requires submission of a design plan <u>4 months</u> prior to commencement of licenced marine activities at a scale of between 1:25,000 and 1:50,000 to NRW, requiring their approval in consultation with Trinity House and MCA. This must set out the proposed details of the authorised scheme, and include:</p> <ul style="list-style-type: none"> - the number, dimensions, specification, foundation types(s) and depth for each win turbine generator and OSP; - the proposed layout of all wind turbine generators and OSPs, including grid coordinates of the centre

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		measures must be implemented as approved by NRW.			<p>point of the proposed location for each wind turbine generator and OSP subject up to 125m micro-siting in any direction;</p> <ul style="list-style-type: none"> - the proposed layout of all cables; - the location and specification of all other aspects of the authorised scheme; and - any archaeological exclusion zones.
Activity Specific Conditions	Lighting and Marking	<p>Requirement to submit a lighting and marking plan to NRW at least <u>4 months</u> prior to commencement. This must consider all stage of the Licenced Activities and include details on location and specification of all infrastructure and aspects of the project, navigation lights and markings of infrastructure in addition to any additional aids to navigation required. The measures must be implemented as approved by NRW.</p> <p>Requirement to provide reports to Trinity House on availability of aids to navigation in accordance with frequencies set out in the above plan, and to notify NRW and Trinity House of any failure of the aids to navigation as soon as possible and no later than <u>24 hours</u> upon becoming aware of such failure.</p> <p>The lights must be exhibited in accordance with the Air Navigation Order 2016 and operate at the lowest permissible lighting intensity level.</p>	✓	✓	<p>dML condition 18(1)(h) requires an aids to navigation management plan to be agreed in writing by NRW following consultation with Trinity House specifying how the Applicant will ensure compliance with condition 15 from commencement of construction to completion of decommissioning of the authorised scheme. This must be submitted <u>4 months</u> prior to commencement of the licenced marine activities.</p> <p>dML condition 15 requires the Applicant from commencement of construction to completion of decommissioning of the authorised scheme to exhibit such lights, marks, sounds, signals and other aids to navigation, and take such other steps for the prevention of danger to navigation, as Trinity House may from time to time direct.</p> <p>Notification is required to Trinity House and NRW:</p> <ul style="list-style-type: none"> - Within <u>24 hours</u> of commencement having occurred - Within <u>24 hours</u> of any aids to navigation being established by the Applicant - Within <u>5 days</u> of completion of construction - No later than <u>24 hours</u> of becoming aware of a failure of aids to navigation. <p>The Applicant must provide reports to Trinity House on the availability of aids to navigation in accordance with the frequencies set out in the aids to navigation management plan agreed pursuant to condition 18(1)(h).</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					<p>See above design plan (condition 18(1)(a)) which must include location and specification of all other aspects of the authorised scheme and be in accordance with the recommendations for layout contained in MGN654 and its annexes.</p> <p>In addition the DCO includes requirements in relation to aviation safety and that any lighting will be operated at the lowest permissible lighting intensity (R3)</p>
Activity Specific Conditions	Navigational Safety	<p>Requirement to ensure a regular programme of monitoring of structure condition.</p> <p>Notification required to Trinity House, MCA, KISS, UKHO and NRW no later than <u>24 hours</u> of becoming aware of damage, destruction or decay of any structure or part of such, excluding the exposure of cables.</p> <p>Notification required to KISS and mariners no later than 3 days following identification of exposure of buried cables. Copies of notices to be provided to NRW, Trinity House and MCA within <u>5 days</u>.</p> <p>Search and Rescue checklist must be agreed with NRW and MCA prior to commencement.</p>	✓	✓	<p>dML condition 22 requires confirmation from NRW in consultation with MCA in writing prior to commencement of the authorised scheme that the Applicant has taken into account and adequately addressed all MCA recommendations as appropriate to the authorised scheme contained within MGN654 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues” (or any equivalent guidance that replaces or supersedes it) and its annexes.</p> <p>dML condition 13(11) requires notification to NRW, MCA, Trinity House or KISS and UKHO and regional fisheries contact as soon as reasonably practicable and no later than <u>24 hours</u> after becoming aware of damage to, or destruction or decay of, the authorised scheme seaward of MHWS or any part thereof, excluding the exposure of cables and cable faults.</p> <p>dML condition 13(12) requires notification to regional fisheries contacts and KISS within <u>3 days</u> of exposure to cables on or above the seabed of the location and extent of exposure. Copies of all notices must be provided to NRW, MCA, Trinity</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					House and UKHO within <u>5 days</u> .
Activity Specific Conditions	Depth Reduction	Requirement to ensure depth reduction resulting from cable protection activity does not compromise safe navigation and reduction does not exceed 5% in surrounding depth referenced to Chart Datum at any location without prior written approval from NRW.	✓	✓	dML condition 18(1)(d) requires submission of a CSIP incorporating a cable burial risk assessment encompassing the identification of any cable protection that exceeds 5 % of navigable depth referenced to Chart Datum and, if this is identified, details of any steps to be taken (in consultation with MCA and Trinity House) to ensure existing and future safe navigation is not compromised or similar such assessment to ascertain suitable burial depths and cable laying techniques, including cable protection.
Activity Specific Conditions	Colouring of Infrastructure	Requirement to colour all structure yellow (colour code RAL 1023) from at least waterline to height as directed by Trinity House. Remainder of structures painted grey (colour code RAL 7035) unless otherwise directed by NRW	✓	✓	dmL condition 14 requires the Applicant to paint all structures forming part of the authorised scheme yellow (colour code RAL 1023) from at least HAT to a height as directed by Trinity house, except as otherwise required by Trinity House. The Applicant must paint the remainder of the structures grey (colour code RAL 7035) unless otherwise directed by NRW.
Activity Specific Conditions	Offshore Construction Method Statement (CMS)	Requirement to submit a CMS to NRW at least <u>4 months</u> prior to commencement of the Licenced Activities or an individual phase of such. The measures must be implemented as approved by NRW.	✓	✓	dML condition 18(1)(d) requires submission of an offshore construction method statement <u>4 months</u> prior to commencement of the licenced marine activities. This must include: <ul style="list-style-type: none"> - cable specification, installation and monitoring, to include— <ul style="list-style-type: none"> (a) the technical specification of the inter-array cables and interconnector cables; (b) a detailed CSIP for the authorised scheme, incorporating a cable burial risk assessment encompassing the identification of any cable protection that exceeds 5 percent of navigable depth referenced to Chart Datum and, in the event that any area of cable protection exceeding 5 percent of navigable depth is identified, details of any steps (to be determined following consultation with the MCA and Trinity House) to be taken to ensure existing and future safe navigation is not compromised or similar

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
					<p>such assessment to ascertain suitable burial depths and cable laying techniques, including cable protection; and</p> <p>(c) details of cable monitoring including details of cable protection until the authorised scheme is decommissioned which includes a risk based approach to the management of unburied or shallow buried cables;</p> <ul style="list-style-type: none"> - scour protection management and cable protection management including details of the need, type, sources, quantity and installation methods for scour protection and cable protection, with details updated and resubmitted for approval if changes to it are proposed following cable laying operations; - foundation installation methodology, including drilling methods and disposal of drill arisings and material extracted during seabed preparation for foundation and cable installation works and having regard to any mitigation scheme; - contractors; - associated ancillary works; and - guard vessels to be employed. <p>dML CSIP/ CMS requires material arising from drilling and/or sandwave clearance to be deposited in close proximity to the cable works.</p>
Activity Specific Conditions	Biosecurity Plan	Requirement to submit a biosecurity plan to NRW at least <u>4 months</u> prior to commencement of Licenced Activities. The measures must be implemented as approved by NRW.	✓	✓	dML offshore environmental management plan will include a marine pollution contingency plan, chemical risk assessment, waste management and disposal arrangements as well as measures to minimise the potential spread of invasive non-native species. (see condition 18(1)(e) as above).
Activity Specific Conditions	Vessel Traffic Management Plan	Requirement to submit a Vessel Traffic Management Plan to NRW at least <u>4 months</u> prior to commencement of Licenced Activities. The measures must be	✓	✓	<p>dML condition 18(1)(k) requires a vessel traffic management plan in accordance with the outline plan to be submitted at least <u>4 months</u> prior to commencement of licenced marine activities.</p> <p>See the Outline vessel management plan (Document</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		implemented as approved by NRW.			Reference J14).
Activity Specific Conditions	Marine Mammal Mitigation Protocol	Requirement to submit a Marine Mammal Mitigation Protocol to NRW at least <u>4 months</u> prior to commencement of piling activities. The measures must be implemented as approved by NRW.	✓	✓	<p>dML conditions 18(1)(i), 21(1)(b) and 25(6) require submission of a marine mammal mitigation protocol in accordance with the outline plan <u>4 months</u> prior to commencement in the event that driven or part-driven pile foundations are proposed to be used or UXO clearance is required.</p> <p>MMMP includes:</p> <ul style="list-style-type: none"> - a maximum separation distance of 15km<u>15 km</u> for concurrent piling and a minimum distance of 1.4km<u>1.4 km</u> - Maximum hammer energy used during concurrent piling of 3,000kJ<u>4,400kJ</u>, 3,000 kJ<u>4,400 kJ</u> maximum hammer energy for single event piling - Piling soft start and ramp-up measures <p>See the Outline marine mammal mitigation protocol (Document Reference J21).</p>
Activity Specific Conditions	Environmental Monitoring Plan (EMP)	Requirement to submit an EMP specifying pre-construction, construction and post-construction monitoring to NRW. This must include monitoring, including methodologies and timings, physical and ecological pre- and post- construction monitoring surveys to take place across the construction area, monitoring surveys designed to ensure minimal disturbance to, and loss of key benthic habitats and species during the construction including the identification of areas for micro-siting where possible, underwater noise monitoring to measure noise generated from piled foundations, ornithological	✓	✓	See dML condition 18(1)(e) which requires an offshore environmental management plan to be submitted to NRW <u>4 months</u> prior to commencement (as above).

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<p>monitoring plan, and timetable for related reporting.</p> <p>Pre-construction EMP must be submitted to NRW at least <u>4 months</u> before surveys commence; construction EMP must be submitted at least <u>4 months</u> prior to construction; and post-construction at least <u>4 months</u> prior to operation.</p>			
Activity Specific Conditions	UK Marine Noise Registry	Requirement to complete an entry into the UK Marine Noise Registry detailing proposed dates and locations and nature of Impact Pile Driving Activities at least <u>10 days</u> prior to its commencement. Entries must then be made every <u>6 months</u> following commencement detailing the actual dates and locations, with the final entry to be completed within <u>8 weeks</u> of completion of the noisy activity.	✓	✓	<p>dML condition 29 requires submission of entries to the Marine Noise Registry to satisfy Forward Look requirements and update information as required where driven or part-driven pile foundations are proposed to be installed, or the detonation of UXO is expected to take place. These must be submitted:</p> <ul style="list-style-type: none"> - every <u>6 months</u> following commencement of pile driving or detonation of UXO; and - within <u>12 weeks</u> of completion of pile driving or detonation of UXO.
Activity Specific Conditions	Scour Protection Management Plan	Requirement to submit a Scour Protection Management Plan to NRW at least <u>4 months</u> prior to commencement of any Licenced activity or individual phase of such.	✓	✓	<p>dML condition 18(1)(d)(i) requires the CSIP to include scour protection management and cable protection management including details of the need, type, sources, quantity and installation methods for scour protection and cable protection, with details updated and resubmitted for approval if changes to it are proposed following cable laying operations.</p>
Activity Specific Conditions	Marine Archaeology	<p>Requirement to submit a Protocol for Archaeological Discoveries (PAD) to NRW at least <u>4 months</u> prior to commencement of the Licenced Activities or an individual phase of such.</p> <p>Requirement to submit an Offshore Written Scheme of Investigation (Offshore WSI) to NRW at least <u>4</u></p>	✓	✓	<p>dML condition 18(1)(f) includes a requirement to submit an Offshore WSI and PAD in accordance with the outline plan to NRW <u>4 months</u> prior to commencement. This must include:</p> <ul style="list-style-type: none"> - details of responsibilities of the Applicant, archaeological consultant and contractor; - a methodology for further site investigation including ay specifications for geophysical geotechnical and

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<p><u>months</u> prior to commencement of the Licenced Activities or an individual phase of such. This must detail the archaeological assessment and mitigation works offshore and within the inter-tidal area including providing the position and extent of Archaeological Exclusion Zones and establish methods for their monitoring.</p>			<p>diver or remotely operated vehicle investigations;</p> <ul style="list-style-type: none"> - archaeological analysis of survey data and timetable reporting which is to be submitted to NRW within <u>4 months</u> of any survey being completed; - delivery of any mitigation including, where necessary, identification and modification of archaeological exclusion zones; - monitoring of archaeological exclusion zones during and post construction where required; - a requirement for the Applicant to ensure that a copy of any agreed archaeological report is deposited with the National Record of the Historic Environment, by submitting an OASIS form with a digital copy of the report within <u>6 months</u> of completion of construction of the authorised scheme, and to notify NRW that OASIS form has been submitted within <u>2 weeks</u> of submission; - a reporting and recording protocol, including reporting of any wreck or wreck material during construction, operation and decommissioning of the authorised scheme; and - a timetable for all further site investigations which must allow sufficient opportunity to establish a full understanding of the historic environment within the offshore Order limits and the approval of any necessary mitigation required as a result of further site investigations prior to commencement of licenced marine activities. <p>See the outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (Document Reference J18).</p>
Activity Specific Conditions	Fisheries Co-Existence and	Requirement to submit a Fisheries Co-Existence and Liaison Plan to NRW at least <u>4 months</u> prior to	✓	✓	dML condition 18(1)(e)(v) includes a fisheries liaison and coexistence plan in accordance with the outline plan to ensure relevant fishing fleets are notified of commencement of

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
	Liaison Plan	commencement of the Licenced Activities or an individual phase of such.			<p>licenced marine activities and to address their interaction with fishing activities as part of the Offshore Environmental Management Plan, to be submitted to NRW <u>4 months</u> prior to commencement.</p> <p>The following measures will be taken as mitigation, monitoring, compensation or enhancement:</p> <ul style="list-style-type: none"> - Mona Offshore Wind Project marine coordination centercenter will perform a continuous watch by multi-channel Very High Frequency (VHF), including Digital Selective Calling; - site marking and charting on nautical charts including an appropriate chart note to facilitate safe passage planning around the Mona Offshore Wind Project; - notice to Mariners to appropriate shipping authorities to notify them of works being carried out in waters adjacent to the Mona Offshore Wind Project; - a scallop mitigation zone over areas of core scallop grounds within the Mona Array Area; and - advance warning to fishing fleets of construction, maintenance and decommissioning activities. <p>See the outline fisheries and co-existence liaison plan (Document Reference J13).</p>
Activity Specific Conditions	Chemical Risk Assessment (CRA)	<p>Requirement to produce and implement a CRA report which must be available for inspection at all reasonable times by NRW and/or Marine Enforcement Officers.</p> <p>This must include details of how and when chemicals are used, stored and transported, best practice guidelines for equipment/techniques used and an assessment of the integrity of the</p>	✓	✓	<p>dML condition 18(1)(e)(ii) includes a chemical risk assessment, including information regarding how and when chemicals are to be used, stored and transported in accordance with the recognised best practice guidance, as part of the Offshore EMP which needs to be submitted to NRW 4 months prior to commencement.</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		equipment and risk of spills.			
Activity Specific Conditions	Navigation Monitoring Specification	<p>Requirement to ensure that a Navigation Monitoring Specification for pre-construction and post-construction navigation monitoring survey is submitted to NRW at least <u>4 months</u> prior to commencement of the Licenced Activities or an individual phase of such.</p> <p>This must include:</p> <ul style="list-style-type: none"> - Detailed swath bathymetric survey to IHO Order 1a of the Licensable Area extending to appropriate buffer around the site; - All proposed cable routes; - Vessel traffic monitoring by automatic identification system (AIS) for the duration of the construction period and for three consecutive years following the completion of the construction of the authorised scheme, unless otherwise agreed with the Licensing Authority; - Detail of the programme/timetable of monitoring and reporting; - Proposals for monitoring offshore cables including cable protection during the operational lifetime of the 	✓	✓	<p>dML condition 24(1) requires submission of a monitoring plan or plans in accordance with the offshore in-principle monitoring plan for written approval by NRW in consultation with the relevant statutory nature conservation body. This must include details of proposed monitoring and surveys, including methodologies and timings, and a proposed format and content for a pre-construction baseline report.</p> <p>dML condition 25 requires the same monitoring as above for construction of the authorised scheme, and condition 26 for post-construction stage of the authorised scheme.</p> <p>See the Offshore in-principle monitoring plan (Document Reference J15).</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
		<p>authorised scheme which includes a risk based approach to the management of unburied or shallow buried cables; and</p> <ul style="list-style-type: none"> - Compliance with MGN 654 (Safety of Navigation: Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response), (or any successor document) and its supporting 'Hydrographic Guidelines for Offshore Renewable Energy Developer including the submission of full density data and reports to the Maritime and Coastguard Agency and the UK Hydrographic Office for the update of nautical charts and publications. 			
<p>Activity Specific Conditions (NEW CONDITION)</p>	<p>Underwater Sound Management Strategy (UWSMS)</p>	<p>ML condition will be needed to secure adherence to UWSMS in accordance with strategy submitted as part of DCO and ML applications.</p>	<p>✓</p>	<p>✓</p>	<p>dML condition 20 requires submission of an UWSMS in accordance with the outline strategy to NRW in consultation with the relevant statutory nature conservation body prior to commencement of any piling activities or detonation of UXO. This must be submitted to NRW <u>4 months</u> prior to commencement of the relevant activities. The piling activities or detonation of UXO must be carried out in accordance with the approved UWSMS, unless otherwise agreed in writing by NRW.</p> <p>See the Outline underwater sound management strategy (Document Reference J16).</p>

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Activity Specific Conditions	Disposal Returns	<p>Requirement to submit certified returns of quantities of substances or articles under the licence to NRW by <u>31 January</u> and <u>31 July</u> each year. These must specify the full licence number and amount deposited (tonnage) each calendar month at each authorised Deposit Area.</p> <p>If the licence expires and is not superseded by another, a final return shall be made to NRW no later than <u>28 working days</u> after the Licence End Date.</p>	✓	✓	dML condition 16(4) requires the Applicant to inform NRW in writing of the time, date, location and quantities of material disposed of each month by submission of a disposal return by 31 January each year for the months July to December inclusive and by 31 July each year for the months January to June inclusive.
Activity Specific Conditions	Inspection of Disposal Vessel	Requirement to provide access and appropriate transportation if necessary to the disposal vessel to facilitate inspection by NRW or Marine Enforcement Officers upon reasonable notice.	✓	✓	<p>dML condition 13(5) requires the Applicant to provide access, and if necessary appropriate transportation to the offshore construction site or any other associated works or vessels to facilitate any inspection that the NRW considers necessary to inspect the works during the construction and operation of the authorised scheme.</p> <p>Note: this does not require reasonable notice to be given.</p>
Activity Specific Conditions	Record of Quantity of Disposed Material	<p>Requirement to keep a written log of Disposal Activities at the Designated Disposal Site. The log must be available for inspection by officers of NRW and Marine Enforcement Officers, and must contain:</p> <ul style="list-style-type: none"> • the name of the vessel; • the quantity and type of each substance disposed at sea; • the date and time of Disposal Activities; and • latitude and longitude position (in WGS84) of the deposit within the Designated Disposal Site. 	✓	✓	See dML condition 16(4) above. dML condition 18(1)(e)(iii) also requires submission of a waste management and disposal arrangements as part of the EMP.

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Activity Specific Conditions	Decommissioning Programme	<p>Requirement to submit a Decommissioning Programme to NRW at least 4 months prior to commencement of any Licenced Activities or an individual phase of such. This must include a timetable and decommissioning method statement.</p> <p>Must submit an updated Decommissioning Programme at least 4 months prior to any decommissioning work taking place.</p> <p>Must ensure that all structures and cables are decommissioned prior to Licence End Date unless otherwise agreed by NRW, and must conduct a swath bathymetric survey of the cable route and installed assets and provide the data to MCA and UKHO. The NRW ML will not authorise decommissioning. Instead, a separate ML will be applied for to consent the decommissioning of all licensable activities for the generation and transmission assets. This ML will be applied for prior to decommissioning.</p>	x	✓	<p>No equivalent provision in dML—this is not required as is covered by section 105 of the Energy Act 2004 and is secured through requirement 2 of Schedule 2 of the DCO. Although the dML is stated to be in place until the authorised scheme is decommissioned, separate standalone MLs will be applied for in relation to decommissioning activities prior to any decommissioning taking place.</p>
Activity Specific Conditions	Compliance Report	Requirement to produce and submit a report on compliance with conditions in the marine licence to NRW at least 2 months prior to commencement of the Licenced Activities or an individual phase of such.	x	✓	No equivalent provision in dML.
Parameters	Project parameters	See section 1.41.4.	✓	✓	See section 1.41.4.

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Condition Title	Heading	Summary	Generation licence (dML)	Transmission Licence (NRWML)	DCO dML alignment/comment
Definitions	Schedule of definitions	See 4section 1.2 for list of definitions.	✓	✓	Additional definitions used in the dML that could be included in NRW ML to align the two licences are listed in 4section 1.2 .

1.2 ~~1.1~~ Additional definitions

1.2.1.1 ~~1.1.1.1.1~~ The following definitions are taken from the dML and could be included in the NRW ML to usefully align the two licences.

Table 1.2: Additional definitions.

Defined Term	Definition in dML
Authorised scheme	means the authorised development described as Work No. 1 and the further associated development described in paragraph 3 of Part 1 of this licence or any part of that work or development.
Cable	means up to 400kV cables for the transmission of electricity and includes direct lay cables, cables laid in cable ducts or protective covers, and further includes fibre optic and other communications cables either within the cable or laid alongside.
Cable protection	means measures to protect cables from physical damage including but not limited to concrete mattresses, with or without frond devices, and/or rock placement, the use of bagged solutions filled with grout or other materials.
Commence	means the first carrying out of any licensed marine activities, save for pre-construction surveys, monitoring surveys, unexploded ordnance surveys and clearance of unexploded ordnance, and “commenced” and “commencement” must be construed accordingly.
Foundation	means any one or more of: a multi-leg pin-piled jacket, multi-leg suction bucket jacket, or gravity base foundation.
Gravity base foundation	means a structure principally of steel, concrete, or steel and concrete with a base which rests on the seabed either due to its own weight with or without added ballast or additional skirts and associated equipment including scour protection, J-tubes, corrosion protection systems and access platforms and equipment.
Inter-array cables	means the cables linking the wind turbine generators to each other and to the offshore substation platforms
Interconnector cables	means the cables linking the offshore substation platforms to each other.
Jacket foundation	means a steel jacket/lattice-type structure constructed of steel, fixed to the seabed with steel pin piles or steel suction buckets and associated equipment including scour protection, J-tubes, corrosion protection systems and access platforms and equipment.
Maintain	includes inspect, upkeep, repair, adjust or alter the authorised scheme, and remove, reconstruct or replace any part, provided that such works do not give rise to any materially new or materially new or materially different environmental effects to those identified in the environmental statement and any derivative of “maintain” is to be construed accordingly.
Marine enforcement officer	means an officer acting on behalf of Welsh Ministers in relation to Welsh Minister’s enforcement responsibilities for this marine licence and “MEO” must be construed accordingly.

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Defined Term	Definition in dML
Offshore substation platform	<p>means a structure above LAT and attached to the seabed by means of a foundation, with one or more decks and open with modular equipment or fully clad, containing—</p> <p>electrical equipment required to switch, transform or convert electricity generated at the wind turbine generators to a higher voltage and provide reactive power compensation, including high voltage power transformers, high voltage switchgear and busbars, substation auxiliary systems and low voltage distribution, instrumentation, metering equipment and control systems, standby generators, shunt reactors, auxiliary and uninterruptible power supply systems;</p> <p>accommodation, storage, workshop auxiliary equipment and facilities for operating, maintaining and controlling the substation or wind turbine generators, including navigation, aviation and safety marking and lighting, systems for vessel access and retrieval, cranes, potable water supply, black water separation, stores, fuels and spares, communications systems and control hub facilities and other associated equipment and facilities.</p>
Operation	<p>means the undertaking of activities authorised by this Order which are not part of the construction, commissioning or decommissioning of the authorised development.</p>
Scour protection	<p>means measures to prevent loss of seabed sediment around any structure placed in or on the seabed including by the use of bagged solutions, filled with grout or other materials, protective aprons, mattresses with or without frond devices, and rock and gravel placement.</p>
Suction bucket foundation	<p>means a tubular steel structure which partially or fully penetrates the seabed and associated equipment, including scour protection, J-tubes, corrosion protection systems and access platforms and equipment.</p>
Vessel	<p>means every description of vessel, however propelled or moved, and includes a non-displacement craft, a personal watercraft, a seaplane on the surface of the water, a hydrofoil vessel, a hovercraft or any other amphibious vehicle and any other thing constructed or adapted for movement through, in, on or over water and which is at the time in, on or over water.</p>
Wind turbine generator	<p>means a structure comprising a tower, rotor with three blades connected at the hub, nacelle and ancillary electrical and other equipment which may include J-tube(s), transition piece, access and rest platforms, access ladders, boat access systems, corrosion protection systems, fenders and maintenance equipment, helicopter landing facilities and other associated equipment including communications equipment, fixed to a foundation or transition piece.</p>

1.3 ~~2.~~ **Outline documents to be certified**

1.3.1.1 ~~2.1.1.1.1~~ The following outline documents are relevant to both the dML and NRW ML.

Table 1.3: Outline documents relevant to both the dML and NRW ML.

Outline documents	
1. <u>1</u>	Outline underwater sound management strategy (Document Reference J16)
2. <u>2</u>	Measures to minimise disturbance to marine mammals and rafting birds from transiting vessels (Document Reference J17)
3. <u>3</u>	Outline marine mammal mitigation protocol (Document Reference J21)
4. <u>4</u>	Offshore in-principle monitoring plan (Document Reference J15)
5. <u>5</u>	Outline fisheries liaison and co-existence plan (Document Reference J13)
6. <u>6</u>	Outline vessel traffic management plan (Document Reference J14)
7. <u>7</u>	Outline offshore operations and maintenance plan (Document Reference J12)
8. <u>8</u>	Outline offshore written scheme of investigation and protocol for archaeological discoveries (Document Reference J18)

1.4 ~~3.~~ Transmission project parameters

Table 1.4: Transmission project parameters.

Project element	Parameters
OSP platform jacket pin pile foundations	Maximum diameter of pin-piles for offshore substation platforms on jacket pin-pile foundations 5.5m: 5.5 m
Gravity base foundations	Maximum diameter of gravity base foundations at the seabed for offshore substation platforms on gravity base foundations 80m: 80 m
OSP suction bucket jackets	Maximum diameter of suction buckets for offshore substation platforms on suction bucket jackets 18m: 18 m
OSP number	Maximum number of offshore substation platforms: <u>4</u>
OSP dimensions	Maximum dimensions of offshore substation platforms when measured from LAT (excluding towers, helipads, masts, lightning protection and cranes): (a) Height of main structure when measured from LAT: <u>70 m</u> (b) Length: <u>80 m</u> (c) Width: <u>60 m</u>
Seabed, scour and cables	Maximum total seabed footprint area for offshore substation foundations (including scour protection): <u>24,964 m²</u> Maximum volume of natural material for disposal 2,671,415 m³ Maximum total length of cables within Work No.1 (inter-array and interconnector) 375km offshore export cables: <u>360 km</u> Maximum number of cable crossings 77 interconnector cables: <u>3</u> Maximum total length of interconnector cables: <u>50 km</u>

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Project element	Parameters		
Co-ordinates of licenced area	Point	Latitude	Longitude
	1	430152.96	5943585.95
	2	430159.76	5951647.95
	3	430134.99	5959613.64
	4	430345.73	5960779.08
	5	430345.79	5960779.39
	6	431752.55	5962737.94
	7	438152.07	5962503.60
	8	443129.95	5957251.37
	9	443129.99	5957251.30
	10	445510.79	5954739.28
	11	445511.13	5949355.98
	12	447029.47	5945031.31
	13	447029.76	5940458.74
	14a	441566.65	5940658.79
	15a	433275.77	5942785.07

1. ~~4. AWEL Y MOR TRANSMISSION MARINE LICENCE~~

1.5 Awel y Môr Transmission Marine Licence

Not included.