

MONA OFFSHORE WIND PROJECT

Mitigation and Monitoring Schedule

F06 (Clean)

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Image of an offshore wind farm

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Prepared by:

Burges Salmon

Prepared for:

Mona Offshore Wind Ltd.

MONA OFFSHORE WIND PROJECT

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1 Mitigation and monitoring schedule

1.1.1.1 This document presents the mitigation and monitoring commitments proposed in the Mona Offshore Wind Project Environmental Statement. The purpose of this document is to demonstrate how the Mona Offshore Wind Project has considered mitigation and monitoring commitments regarding environmental impacts identified through the Environmental Impact Assessment. This document clearly presents how they will be secured through the DCO and are expected to be secured in the standalone NRW marine licence and therefore will be carried out to effectively reduce environmental effects from the Mona Offshore Wind Project. The mitigation and monitoring schedule lists all the mitigation and monitoring commitments proposed alongside the following supporting information:

- Where the measure is set out in the Environmental Statement
- Topics of relevance
- Means of securing the commitment
- List of other relevant documents that should be read alongside the mitigation and monitoring schedule.

1.1.1.2 A marine licence is required before carrying out any licensable marine activities under the Marine and Coastal Access Act 2009. The marine licence (ML) for activities located in Welsh offshore waters will be deemed under the Development Consent Order (DCO). The deemed ML (dML) will cover works related to the offshore wind farm generation infrastructure (wind turbines, Offshore Substation Platforms (OSPs), inter-array cables and interconnector cables). A separate, standalone ML will be required for activities within 12 nautical miles (nm) of the Welsh coast. The standalone ML will cover works associated to the offshore export cables, interconnector cables, OSPs, Mona Offshore Cable Corridor and Access Areas. The OSPs and interconnector cables are included in both marine licences as it has not yet been determined whether they would be generation or transmission infrastructure. This Mitigation and monitoring schedule is applicable to both the generation and transmission infrastructure. The draft DCO (Document Reference C1) secures the mitigation and monitoring commitments made for the DCO application. The Marine licence principles document (Document Reference J9) presents how the mitigation and monitoring commitments are anticipated to be secured for the standalone NRW marine licence.

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
1	Vol2, Chpt 5: Offshore ornithology (F2.5) Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			The Applicant has committed to a minimum lower blade tip height (air draught) of 34 m above Lowest Astronomical Tide (LAT).	Secured in Schedule 2 Requirement 2(1) of the Development Consent Order (DCO) and within the deemed marine licence in Schedule 14 Condition 10(1) of the draft DCO (C1).
2	Vol2, Chpt 5: Offshore ornithology (F2.5) Measures to minimise disturbance to marine mammals and rafting birds from transiting vessels (J17)	Mitigation	✓			Development of, and adherence to, an offshore Environmental Management Plan (EMP). The Measures to minimise disturbance to marine mammals and rafting birds from transiting vessels will be included within the Offshore EMP. They will include a timing restriction of no offshore export cable installation or low order UXO clearance activities during the period 1 November to 31 March within the Liverpool Bay Special Protection Area (SPA).	Development of and adherence to a final Measures to minimise disturbance to marine mammals and rafting birds from transiting vessels is expected to be secured as a condition within the standalone Natural Resources Wales marine licence.
3	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 7: Shipping and navigation (F2.7) Vol2, Chpt 10: Other sea users (F2.10)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan and details of scour protection management and cable protection management, to be used around offshore structures, cables and foundations to reduce scour. To include a commitment to cable burial where possible.	An offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
4	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan that will only permit sandwave clearance on the Constable Bank within the swept path area (20m) of the cable burial tool.	An offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
5	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan that does not permit sandwave clearance within the Menai Strait and Conwy Bay Special Area of Conservation (SAC).	Development of and adherence to a final offshore construction method statement is expected to be secured as a condition in the standalone Natural Resources Wales marine licence.
6	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan that does not permit the installation of cable protection within Constable Bank.	Development of and adherence to a final offshore construction method statement is expected to be secured as a condition in the standalone Natural Resources Wales marine licence.
7	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan that does not permit cable protection higher than 70 cm to be installed within in the Menai Strait and Conwy Bay Special Area of Conservation (SAC).	Development of and adherence to a final offshore construction method statement is expected to be secured as a condition in the standalone Natural Resources Wales marine licence.
8	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			No more than 5% reduction in water depth (referenced to Chart Datum) will occur at any point along the Mona offshore cable corridor without prior written approval from the Licensing Authority in consultation with the Maritime and Coastguard Agency (MCA). In the event any cable protection exceeds 5% of navigable depth referenced to Chart Datum in the shallow nearshore area, NRW (Advisory) will also be a named consultee with regards to agreeing a suitable alternative position.	An offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
9	Outline Landfall construction method statement (J26.14) Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation		✓		Development and adherence to a Landfall Construction Method Statement which commits to the installation of Mona export cables via trenchless techniques under the intertidal area from seaward of Mean Low Water Springs, where the exit pits will be located, to landward of Mean High Water Springs.	The Outline Landfall Construction Method Statement (J26.14) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9 (1)(r) of the draft Development Consent Order (DCO) (C1).
10	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 3: Fish and shellfish (F2.3)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan which requires material arising from drilling and/or sandwave clearance to be deposited in close proximity to the works.	An offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
11	Outline Landfall construction method statement (J26.14) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation		✓		A 50m exclusion buffer for all construction works (including movement of machinery, equipment and personnel) will be in place to avoid the <i>Sabellaria alveolata</i> reef and <i>Mytilus edulis</i> bed at the landfall.	Development of and adherence to a final offshore construction method statement is expected to be secured as a condition in the standalone Natural Resources Wales marine licence.
12	Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation		✓		All construction and operation and maintenance activities at the Mona landfall (i.e. trenchless techniques working areas and movement of machinery, equipment and personnel) will be located outside the clay with piddocks Important Ecological Feature (IEF).	Included in the Landfall Construction Method Statement which is within Schedule 2 Requirement 9 (1r) of the draft Development Consent Order (DCO) (C1)

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			Offshore	Intertidal	Onshore		
13	Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation	✓			Development and adherence to an Offshore Construction Method Statement which includes a cable specification and installation plan that does not permit the percentage of export cable requiring cable protection to exceed 10% of the total length of the export cable within the Menai Strait and Conwy Bay Special Area of Conservation (SAC).	An offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
14	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Development of, and adherence to, an Offshore Construction Method Statement, including a Cable Specification and Installation Plan (CSIP) which will include cable burial where possible and cable protection. This will help to ensure that under keel clearance is maintained and help to enable that no more than 5% reduction in water depth (referenced to Chart Datum) will occur at any point along the Mona offshore cable corridor without prior written approval from the Licensing Authority in consultation with the Maritime and Coastguard Agency (MCA) and Trinity House. In the event any cable protection exceeds 5% of navigable depth referenced to Chart Datum, NRW (Advisory) will also be a named consultee with regards to agreeing a suitable alternative position.	An offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
15	Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 3: Fish and shellfish (F2.3)	Mitigation	✓			Development of, and adherence to, an offshore Environmental Management Plan (EMP). This will include Biosecurity Risk Assessment and an Invasive Non-Native Species (INNS) Management Plan, including actions to minimise INNS.	An offshore environmental management plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1e) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
16	Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Vol2, Chpt 5: Offshore Ornithology (F2.5) Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Development and adherence to an offshore Environmental Management Plan (EMP) that will include a Marine Pollution Contingency Plan (MPCP) which will include planning for accidental spills, address all potential contaminant releases and include key emergency details.	An offshore environmental management plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1e) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
17	Outline Landfall construction method statement (J26.14) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2)	Mitigation		✓		An Ecological Clerk of Works (ECoW) will supervise any planned construction works in the intertidal zone.	Included in the Landfall construction method statement which is within Schedule 2 Requirement 9 (1r) of the draft Development Consent Order (DCO) (C1)
18	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) which will include the identification and implementation of Archaeological Exclusion Zones (AEZs) around those archaeological sites identified as having high and medium archaeological potential.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
19	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) which requires final wind turbine locations to avoid any known archaeological constraints identified in pre-construction site investigation surveys through micro-siting.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
20	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) which will include the identification and implementation of Temporary Archaeological Exclusion Zones (TAEZs) based on all available information for wrecks and obstructions outside of the survey data coverage but within the Mona Offshore Wind Project boundary.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
21	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) that requires archaeological input into specifications for, and archaeological analysis of, any further pre-construction geophysical and geotechnical surveys.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
22	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) that requires Mona Offshore Wind Project archaeologists to be consulted in the preparation of any pre-construction Remotely Operated Vehicle (ROV)/diver surveys and, if appropriate, in monitoring/checking of data.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.

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			Offshore	Intertidal	Onshore		
23	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) that requires operational awareness of the location of those archaeological anomalies identified as having a low potential. Reporting through the agreed protocol (PAD) will be undertaken should material of potential archaeological interest be encountered.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
24	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) that requires archaeologists to be consulted in the preparation of pre-construction cable route clearance or other pre-construction clearance operations and, if appropriate, to carry out archaeological monitoring of such work.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
25	Vol2, Chpt 9: Marine archaeology (F2.9) Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18)	Mitigation	✓			Development of, and adherence to an Offshore Written Scheme of Investigation (WSI) and Protocol for Archaeological Discoveries (PAD) that requires mitigation of unavoidable direct impacts on known sites of archaeological significance through options which include i) preservation by record; ii) stabilisation; iii) detailed analysis and safeguarding of otherwise comparable sites elsewhere.	The Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries (J18) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(f) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
26	Vol2, Chpt 10: Other sea users (F2.10)	Mitigation	✓			Where the Mona Offshore Wind Project cables will be required to cross an active cable, it is intended that a commercial 'crossing agreement' will be entered into with the cable operator.	In line with standard industry practice crossing agreements would be negotiated and agreed with operators as required post-consent.
27	Vol2, Chpt 10: Other sea users (F2.10)	Mitigation	✓			Consultation with oil and gas operators and other energy infrastructure operators.	In line with standard industry practice.
28	Vol2, Chpt 10: Other sea users (F2.10)	Mitigation	✓			Installation of infrastructure over or adjacent to existing cables will be subject to crossing or proximity agreements between the two parties, prior to the start of the construction phase.	In line with standard industry practice crossing agreements would be negotiated and agreed with operators as required post-consent.
29	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Outline MMMP (J21)	Mitigation	✓			Development and adherence to a Marine Mammal Mitigation Protocol (MMMP) which sets a maximum separation limit of 15 km for concurrent piling.	The Outline Marine Mammal Mitigation Protocol (J21) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(h) in relation to piling and expected to be secured within the standalone Natural Resources Wales marine licence.
30	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Outline MMMP (J21)	Mitigation	✓			Development and adherence to a Marine Mammal Mitigation Protocol (MMMP) which sets a minimum separation limit of 1.4 km for concurrent piling.	The Outline Marine Mammal Mitigation Protocol (J21) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(h) in relation to piling and expected to be secured within the standalone Natural Resources Wales marine licence.
31	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Outline MMMP (J21)	Mitigation	✓			Development and adherence to a Marine Mammal Mitigation Protocol (MMMP) which sets the limit on maximum hammer energy used during concurrent piling at 3,000 kJ and during the single event piling at 4,400 kJ.	The Outline Marine Mammal Mitigation Protocol (J21) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(h) in relation to piling and expected to be secured within the standalone Natural Resources Wales marine licence.
32	Vol2, Chpt 4: Marine mammals (F2.4) Outline MMMP (J21)	Mitigation	✓			Development and adherence to a Marine Mammal Mitigation Protocol (MMMP) which sets the limit on maximum hammer single event piling at 4,400 kJ for up to 16 locations and 3,000 kJ for the remaining foundation locations.	The Outline Marine Mammal Mitigation Protocol (J21) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(h) in relation to piling and expected to be secured within the standalone Natural Resources Wales marine licence.
33	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Outline MMMP (J21)	Mitigation	✓			Development and adherence to a Marine Mammal Mitigation Protocol (MMMP) that requires implementation of a mitigation hierarchy with regard to Unexploded Ordnance (UXO) clearance that follows: •Avoid UXO •Clear UXO with low order techniques.	The Outline Marine Mammal Mitigation Protocol (J21) is secured within the deemed marine licence in Schedule 14, Condition 21 in relation to UXO clearance and expected to be secured within the standalone Natural Resources Wales marine licence.
34	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Outline MMMP (J21)	Mitigation	✓			Development and adherence to a Marine Mammal Mitigation Protocol (MMMP) that requires implementation of piling soft start and ramp-up measures.	The Outline Marine Mammal Mitigation Protocol (J21) is secured within the deemed marine licence in Schedule 14, Condition 18(1)(h) in relation to piling and expected to be secured within the standalone Natural Resources Wales marine licence.
35	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Outline UWSMS (J16)	Mitigation	✓			Development and adherence to an Underwater Sound Management Strategy (UWSMS) that includes for consideration of Noise Abatement Systems (NAS) as part of mitigation options.	The Outline Underwater Sound Management Strategy (J16) is secured within the deemed marine licence in Schedule 20(1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
36	Vol2, Chpt 3: Fish and shellfish (F2.3) Vol2, Chpt 4: Marine mammals (F2.4) Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Development and adherence to an offshore decommissioning programme.	Legal obligation of the Energy Act 2004 and secured within Schedule 2 Requirement 20 of the draft Development Consent Order (DCO) (C1).

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
37	Vol3, Chp 1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The implementation of the Onshore Crossing Schedule (Document Reference F5 4.3) that sets out the techniques that will be used to cross obstacles during the construction of the Landfall, Mona Onshore Cable Corridor and Mona 400 kV Grid Connection Corridor.	The Environmental Statement - Volume 5, Annex 5.3: Onshore Crossing Schedule (F5.4.3) is secured within Schedule 2, Requirement 6(4) of the Development Consent Order (DCO) (C1).
38	Vol3, Chp 1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The preparation and implementation of a detailed Code of Construction Practice (CoCP) to ensure the effective management of environmental impacts during the construction phase of onshore and intertidal elements of the Mona Offshore Wind Project.	The preparation of the detailed Code of Construction Practice (CoCP) is secured through Schedule 2, Requirement 9 of the Development Consent Order (DCO) (C1).
39	Vol3, Chp 1: Geology and Ground Conditions (F3.1) Vol3, Chp 2: Hydrology and Flood Risk (F3.2)	Mitigation			✓	The preparation and implementation of a detailed Construction Surface Water Drainage Management Plan as part of the detailed Code of Construction Practice (CoCP). The detailed Plan will set out the methods for managing surface water runoff and groundwater and to prevent surface water flooding during construction.	The Outline Construction Surface Water Drainage Plan (J26.6) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9 (1)(h) of the draft Development Consent Order (DCO) (C1).
40	Vol3, Chp 1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The preparation of a detailed Spillage and Emergency Response Plan as part of the detailed Code of Construction Practice (CoCP). The detailed Plan will set out pollution prevention measures and an emergency response plan for accidents and spillages.	The Outline Spillage and Emergency Response Plan (J26.1) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9 (1)(a) of the draft Development Consent Order (DCO) (C1).
41	Vol3, Chp 1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The development and implementation of mitigation measures for private water groundwater supply sources. The measures would be based on a hierarchy set out in the detailed Code of Construction Practice (CoCP).	The Outline Code of Construction Practice (J26) is secured in Schedule 2, Requirement 9 of the Development Consent Order (DCO) (C1).
42	Vol3, Chp 1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The preparation and implementation of a detailed Onshore Construction Method Statement as part of the detailed Code of Construction Practice (CoCP).	The Outline Onshore Construction Method Statement (J26.15) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(q) of the draft Development Consent Order (DCO) (C1).
43	Vol3, Chp 1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The preparation and implementation of a detailed Landfall Construction Method Statement as part of the detailed Code of Construction Practice (CoCP). The detailed method statement will provide details on the construction techniques and include a controlled water risk assessment for the trenchless techniques under the Llanddulas Beach landfill Site.	The preparation of the detailed Code of Construction Practice (CoCP) would be secured through Schedule 2 Requirement 9(1) of the Development Consent Order (DCO) (C1). The detailed Landfall Construction Method Statement would append the detailed CoCP.
44	Vol3, Chp 1: Geology and Ground Conditions (F3.1) Vol3, Chp 7: Land Use and Recreation (F3.7)	Mitigation			✓	The preparation and implementation of a detailed Soil Management Plan as part of the detailed Code of Construction Practice (CoCP). The detailed Plan will set out measures for the management, storage and restoration of soils and the non-designated geological features (drumlins) located within the Mona Onshore Cable Corridor.	The Outline Soil Management Plan (J26.8) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(k) of the draft Development Consent Order (DCO) (C1).
45	Vol3, Chp1: Geology and Ground Conditions (F3.1)	Mitigation			✓	The preparation of a detailed Discovery Strategy for Contaminated Land as part of the detailed Code of Construction Practice (CoCP).	The Outline Discovery Strategy for Contaminated Land (J26.12) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(o) of the draft Development Consent Order (DCO) (C1).
46	Vol3, Chp2: Hydrology and Flood Risk (F3.2)	Mitigation			✓	The preparation and implementation of a detailed Operational Drainage Management Plan for the Onshore Substation. The detailed Plan will set out how existing runoff rates to the surrounding water environment will be maintained at pre-development rates and the design and maintenance of Sustainable Drainage Systems (SuDS). The Plan will also include the design for the diverted ordinary watercourse - including a 8 m standoff from the substation platform.	The Outline Operation Drainage Management Strategy (J27) is secured in Schedule 2, Requirement 18 of the Development Consent Order (DCO) (C1).
47	Vol3, Chp3:Onshore Ecology	Mitigation			✓	The preparation and implementation of a detailed Landscape and Ecological Management Plan (LEMP). The LEMP will set out the landscape planting and mitigation measures for habitats and protected species and the monitoring and aftercare commitments.	The Outline Landscape and Ecology Management Plan (J22) is secured in Schedule 2, Requirements 7 and 12 of the Development Consent Order (DCO) (C1).
48	Vol3, Chp3: Onshore Ecology (F3.3)	Mitigation			✓	The preparation and implementation of a detailed Code of Construction Practice (CoCP). The detailed CoCP will include habitat protection buffers and measures for the protection of habitats an during construction in line with best practice guidance.	The Outline Code of Construction Practice (J26) is secured in Schedule 2, Requirement 9 of the Development Consent Order (DCO) (C1).
49	Vol3, Chp5: Historic Environment (F3.5)	Mitigation			✓	The preparation and implementation of an Onshore Written Scheme of Investigation (WSI) and agreed with the relevant stakeholders.	The Outline Onshore Written Scheme of Investigation (J23) is secured in Schedule 2, Requirement 11 of the Development Consent Order (DCO) (C1).
50	Vol3, Chp 9: Noise and Vibration (F3.9)	Mitigation			✓	The preparation and implementation of a Construction Noise and Vibration Management Plan as part of the detailed Code of Construction Practice (CoCP). The Plan will include measures to mitigate noise from construction activities.	The Outline Construction Noise and Vibration Management Plan (J26.3) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(c) of the draft Development Consent Order (DCO) (C1).
51	Vol3, Chp9: Noise and Vibration (F3.9)	Mitigation			✓	Operational noise limits of the Onshore Substation will be set at 34dB as agreed with the relevant planning authority.	Operational noise limits at the onshore substation are secured through Schedule 2 Requirement 17 of the Development Consent Order (DCO) (C1).

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
52	Vol3, Chp7: Land Use and Recreation (F3.7)	Mitigation			✓	The preparation and implementation of a detailed Fencing Plan as part of the detailed Code of Construction Practice (CoCP).	The Outline Construction Fencing Plan (J26.5) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(g) of the draft Development Consent Order (DCO) (C1).
53	Vol3, Chp7: Land Use and Recreation (F3.7)	Mitigation			✓	The preparation of a detailed Biosecurity Protocol will be included as part of the detailed Code of Construction Practice (CoCP). The Protocol will set out working practices to limit the spread of water and soil borne diseases to livestock and ecological receptors.	The Outline Biosecurity Protocol (J26.11) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(n) of the draft Development Consent Order (DCO) (C1).
54	Vol3,Chp8: Traffic and Transport (F3.8)	Mitigation			✓	The preparation and implementation of a detailed Construction Traffic Management Plan (CTMP) as part of the detailed Code of Construction Practice (CoCP). The CTMP will set out construction working hours, measures to control dust and dirt on the public highway, construction routes, restrictions on Heavy Goods Vehicle (HGV) operating hours.	The Outline Construction Traffic Management Plan (J26.13) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(d) of the draft Development Consent Order (DCO) (C1).
55	Vol3, Chp8: Traffic and Transport (F3.8)	Mitigation			✓	The preparation and implementation of a detailed Highways Access Management Plan as part of the detailed Code of Construction Practice (CoCP).	The Outline Biosecurity Protocol (J26.11) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(e) of the draft Development Consent Order (DCO) (C1).
56	Vol3, Chp8: Traffic and Transport (F3.8)	Mitigation			✓	The preparation and implementation of Special Order setting out the route, timing and method for the transport of abnormal indivisible loads.	As part of a Special Order to permit the movement of abnormal indivisible loads on the highway as issued by the Secretary of State for Transport on behalf of Welsh Ministers following an application by the appointed heavy haulage contractor as described in Other Consents or Licences Required (J1).
57	Vol3, Chp 10: Air Quality (F3.10)	Mitigation			✓	The preparation and implementation of a detailed Dust Management Plan (DMP) as part of the detailed Code of Construction Practice (CoCP).	The Outline Dust Management Plan (J26.2) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(b) of the draft Development Consent Order (DCO) (C1).
58	Vol3, Chp 10: Air Quality (F3.10)	Mitigation			✓	The preparation and implementation of a detailed Communications Plan as part of the detailed Code of Construction Practice (CoCP).	The Outline Communications Plan (J26.4) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(f) of the draft Development Consent Order (DCO) (C1).
59	Vol3, Chp4: Onshore and Intertidal Ornithology (F3.4)	Mitigation		✓	✓	The preparation and implementation of a Breeding Bird Protection Plan as part of the detailed Landscape and Ecology Management Plan (LEMP).	The Outline Bird Protection Plan is included at Appendix E to the Outline Landscape and Ecology Management Plan (J22). The Outline Landscape and Ecology Management Plan is secured in Schedule 2, Requirements 7 and 12 of the Development Consent Order (DCO) (C1).
60	Vol3, Chp6: Landscape and Visual Resources (F3.6)	Mitigation			✓	The implementation of the design principles as set out in the Design Principles (J3). Details of the design of the substation building, the appropriate materials/colours/finishes for the façades and the design of storage and delivery of oils will be submitted to the Local Planning Authority for approval as part of the discharge requirements of the DCO.	Schedule 2, Condition 5 of the draft Development Consent Order (DCO) (C1) requires that the detailed design information for the Onshore Substation must be substantially in accordance with the Design Principles (J3).
61	Vol4, Chp3: Socio-economics (F4.3)	Mitigation			✓	The preparation and implementation of a detailed Skills and Employment Plan.	The Outline Skills and Employment Plan (J24) is secured in Schedule 2 Requirement 19 of the Development Consent Order (DCO) (C1).
62	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Development and adherence to an outline fisheries liaison and coexistence plan which requires cable protection and target cable burial depths to be designed to minimise snagging hazards as far as possible.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
63	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Time delay between sequential cable installation operations (e.g. cable-lay and post-lay burial), shall be minimised to as short as reasonably practicable.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
64	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Infrastructure spacing at a minimum of 1,400 m apart (in accordance with the layout principles described in Table 3.7 of Volume 1, Chapter 3: Project description (F1.3)).	This is secured as a parameter within Table 2 of Condition 2(1) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and insofar as OSPs, expected to be secured within the standalone NRW marine licence.
65	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Roughly north to south alignment of wind turbine rows (in accordance with the layout principles described in Table 3.7 of Volume 1, Chapter 3: Project description (F1.3)).	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1).
66	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Scallop mitigation zone over areas of core scallop grounds within the Mona Array Area with a minimum area of 57 km ² .	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1).

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
67	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Ongoing liaison with the fishing industry through the Company Fisheries Liaison Officer (CFLO) and Fishing Industry Representative (FIR) and adhere to good practice guidance with regards to fisheries liaison.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
68	Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 7: Shipping and navigation (F2.7) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Development and adherence to a Fisheries Co-existence and Liaison Plan.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
69	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Advance warning to fishing fleets of construction and maintenance activities.	Condition 13 of Schedule 14 of the draft Development Consent Order (DCO) (C1) includes notification requirements in relation to construction and maintenance activities. Similar provisions are expected to be secured within the standalone Natural Resources Wales marine licence.
70	Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 7: Shipping and navigation (F2.7) Vol2, Chpt 10: Other sea users (F2.10) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Timely and efficient distribution of Notices to Mariners (NtMs).	Condition 13 of Schedule 14 of the draft Development Consent Order (DCO) (C1) includes notification requirements in relation to construction and maintenance activities. Similar provisions are expected to be secured within the standalone Natural Resources Wales marine licence.
71	Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 7: Shipping and navigation (F2.7) Vol2, Chpt 6: Other sea users (F2.10) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Use of advisory clearance distances and safety zones during construction and periods of major maintenance.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence. Formal safety zones will be applied for via a formal safety zone application as described in Other Consents or Licences Required (J1).
72	Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 6: Other sea users (F2.10) Vol4, Chpt 1: Aviation and radar (F4.1) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Adequate navigational markers (including lighting), in accordance with the most recent relevant industry guidance.	An aids to navigation management plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(g) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
73	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			'As-laid' co-ordinates of the cable route shall be recorded and submitted to the United Kingdom Hydrographic Office (UKHO) and KIS-ORCA Service; 'as-laid' cables shall be marked on Admiralty Charts and fisherman's awareness charts (paper and electronic format).	Schedule 14, Condition 28 of the draft Development Consent Order (DCO) (C1) requires the submission of a close-out report to UKHO which is to include details of 'as-laid' cable coordinates and is expected to be secured in the standalone Natural Resources Wales marine licence.
74	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Development of a dropped objects plan.	A dropped objects plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(i) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
75	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Use of rolling construction zones.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence. Formal safety zones will be applied for via a formal safety zone application as described in Other Consents or Licences Required (J1).
76	Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 7: Shipping and navigation (F2.7) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Use of guard vessels where required.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
77	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Monitoring	✓			Annual reviews for first five years of operations and maintenance phase to determine whether there are any changes to fishing activity within the Mona Array Area and where there is change, to discuss with commercial fisheries stakeholders.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
78	Vol2, Chpt 6: Commercial fisheries (F2.6) Vol2, Chpt 7: Shipping and navigation (F2.7) Outline fisheries liaison and coexistence plan (J13)	Monitoring	✓			Monitoring of the cables and their burial status to reduce snagging risk.	A cable specification and installation plan as part of the offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d)(i) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
79	Vol2, Chpt 7: Shipping and navigation (F2.7) Vol4, Chpt 1: Aviation and radar (F4.1)	Mitigation	✓			Development of a design plan which will include two lines of orientation for the purpose of search and rescue.	A design plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(a) of the draft Development Consent Order (DCO) (C1) and expected to form part of the standalone Natural Resources Wales marine licence.
80	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Development and adherence to an offshore construction method statement which includes a cable specification and installation plan incorporating a Cable Burial Risk Assessment (CBRA) to be undertaken pre-construction, including consideration of under keel clearance.	A cable specification and installation plan as part of the offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d)(i) of the draft Development Consent Order (DCO) (C1) and expected to form part of the standalone Natural Resources Wales marine licence.
81	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Site marking and charting on nautical charts including an appropriate chart note to facilitate safe passage planning around the Mona Offshore Wind Project.	Secured within the deemed marine licence in Schedule 14 Condition 13(10) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales (NRW) marine licence.
82	Vol2, Chpt 7: Shipping and navigation (F2.7) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Development of and adherence to a Fisheries liaison and co-existence plan	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
83	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Development of and adherence to Offshore Renewable Energy Installations (OREIS) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues which includes periodic emergency management and response exercises run by the Applicant, in conjunction with Search And Rescue (SAR).	The Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues is secured within the deemed marine licence in Schedule 14, Condition 22 of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales (NRW) marine licence.
84	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Statutory incident reporting requirements and expectations. Risk assessments to be reviewed following incidents, and additional risk controls identified if appropriate.	Statutory requirements.
85	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Development of and adherence to an aids to navigation management plan which requires buoys to be deployed around construction work in the Mona Array Area in line with Trinity House requirements.	An aids to navigation management plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(g) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
86	Vol2, Chpt 7: Shipping and navigation (F2.7)	Monitoring	✓			Development of and adherence to an offshore monitoring plan which requires Hydrographic Surveys to meet the requirements of the International Hydrographic Organisation (IHO) Order 1a standard, with the final data supplied as a digital full density data set, and survey report to the Maritime and Coastguard Agency (MCA) Hydrography Manager and the United Kingdom Hydrographic Office (UKHO).	The Offshore In-Principle Monitoring Plan (J15) is secured in Schedule 14, Condition 18(1)(c), including specifically in relation to surveys Condition 24(4), of the draft Development Consent Order (DCO) (C1) and expected to form part of the standalone Natural Resources Wales marine licence.
87	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Development of and adherence to a Vessel Traffic Management Plan (VTMP) which requires co-ordination of Mona Offshore Wind Project vessels during construction and operations and maintenance by the Project Marine Co-ordination Centre. This includes a continuous watch by multi-channel Very High Frequency (VHF), including Digital Selective Calling.	The Outline Vessel Traffic Management Plan (J14) is secured within the deemed marine licence in Schedule 14 Condition 18(1)(j) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales (NRW) marine licence.
88	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			All personnel to wear the correct Personal Protective Equipment (PPE) suitable for the location and role at all times, as defined by the relevant Quality, Health, Safety and Environment documentation. This will include the use of Personal Locator Beacons.	Industry best practice.
89	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Training - the Applicant is responsible for ensuring that all staff engaged on operations are competent to carry out the allocated work.	Industry best practice.
90	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Compliance from all vessels associated with the proposed Mona Offshore Wind Project with international maritime regulations as adopted by the relevant flag state such as Convention on the International Regulations for Preventing Collisions at Sea (COLREGS) (IMO, 1972) and Safety of Life at Sea Convention (SOLAS) (IMO, 1974).	Industry best practice.

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
91	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			As industry standard mitigation, the Applicant will ensure that all Mona Offshore Wind Project related vessels meet both International Maritime Organization (IMO) conventions for safe operation as well as Health, Safety and Environment requirements, where applicable.	Industry best practice.
92	Vol2, Chpt 7: Shipping and navigation (F2.7) Outline Vessel Traffic Management Plan (J14)	Monitoring	✓			Development and adherence to a vessel monitoring strategy which requires continuous vessel traffic monitoring during construction and immediate period post construction to Maritime and Coastguard Agency (MCA) approval.	A vessel traffic monitoring strategy must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(k) of the draft Development Consent Order (DCO) (C1) and expected to form part of the standalone Natural Resources Wales marine licence.
93	Vol4, Chpt 1: Aviation and radar (F4.1)	Mitigation	✓	✓		RenewableUK suggests that information regarding construction should be passed to the Defence Geographic Centre (DGC) (at dvof@mod.gov.uk) at least 10 weeks in advance of the obstacle type(s) erection detailing position, height (tip of arc) and type of aviation lighting.	Industry best practice.
94	Vol4, Chpt 1: Aviation and radar (F4.1)	Mitigation	✓	✓		Appropriate information about the site construction and any associated lighting (where applicable), for example the height and temporary location of construction cranes, should be provided to the NATS Aeronautical Information Service (AIS) (for promulgation in applicable aviation publications including the UK Integrated Aeronautical Information Package (IAIP)).	Industry best practice.
95	Vol4, Chpt 2: Climate change (F4.2)	Mitigation	✓	✓		Application of anti-corrosion protective coatings and integrated scour protection to offshore equipment.	Industry best practice.
96	Vol4, Chpt 2: Climate change (F4.2)	Mitigation	✓	✓		Safety margin within the turbine design to be fitted with automatic shutdowns/lockdowns with regards to spinning too fast.	Industry best practice.
97	Vol4, Chpt 2: Climate change (F4.2)	Mitigation	✓	✓		The substation will house auxiliary equipment e.g. appropriate cooling plant for an in building substation solution to account for a range of temperature conditions.	Industry best practice.
98	Vol4, Chpt 2: Climate change (F4.2)	Mitigation	✓	✓		Regular inspections be carried out to assess wind turbine condition.	Industry best practice.
99	Vol4, Chpt 3: Socio-economic (F4.3)	Mitigation	✓	✓		Development and adherence to a Skills and Employment Strategy. This mitigates the potential impact on economic receptors including employment, Gross Value Added (GVA), population, housing and accommodation.	The Outline Skills and Employment Plan (J24) is secured in Schedule 2 Requirement 19 of the Development Consent Order (DCO) (C1).
100	Vol2, Chpt 1: Physical processes (F2.1) Vol2, Chpt 2: Benthic subtidal and intertidal ecology (F2.2) Vol2, Chpt 9: Marine archaeology (F2.9)	Monitoring	✓			Monitoring of the cables and their burial status.	A cable specification and installation plan as part of the offshore construction method statement must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d)(i) of the draft Development Consent Order (DCO) (C1) and expected to form part of the standalone Natural Resources Wales marine licence.
101	Vol2, Chpt 8: Seascape and visual resources (F2.8)	Mitigation	✓			The nacelles, blades and towers will be painted light grey.	Secured within Schedule 14 Condition 14(2) of the Development Consent Order (DCO) (C1).
102	Vol2, Chpt 8: Seascape and visual resources (F2.8)	Mitigation	✓			The aviation lights will be operated at the lowest permissible intensity level.	Secured within Schedule 2, Requirement 3(3) the Development Consent Order (DCO) (C1).
103	Vol3, Chpt 6: Landscape and visual resources	Mitigation		✓		The preparation and implementation of a detailed Arboriculture Method Statement as part of the detailed Code of Construction Practice (CoCP). The Arboricultural Method statement will set out measures for the protection of trees during the construction process.	The Outline Arboriculture Method Statement (J26.18) is secured as part of the Outline Code of Construction Practice. See Schedule 2, Requirement 9(1)(p) of the draft Development Consent Order (DCO) (C1).
104	Vol2, Chpt 7: Shipping and navigation (F2.7)	Mitigation	✓			Continued engagement with the Marine Navigation Engagement Forum post consent as set out in the Outline Vessel Traffic Management Plan (VTMP). This will include the pre-construction and during construction periods and for a minimum of five years into the operational and maintenance phase.	The Outline Vessel Traffic Management Plan (J14) is secured within the deemed marine licence in Schedule 14 Condition 18(1)(j) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales (NRW) marine licence.
105	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			The use of cable protection will be minimised as far as practicable.	Maximum volume and maximum footprint of cable protection for inter-array cables and interconnector cables are secured as design parameters within Condition 10(1) of the deemed marine licence in Schedule 14 of the draft DCO (C1) and insofar as export cables, expected to be secured within the standalone NRW marine licence. The commitment to minimising the use of cable protection as far as reasonably practicable is secured through the offshore construction method statement, which must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(d) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.

Reference number	Document(s) commitment included in	Mitigation, monitoring or compensation	Extent of commitment			Mitigation, monitoring, compensation or enhancement measure	Means of securing the commitment
			Offshore	Intertidal	Onshore		
106	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Development and adherence to an Offshore Environmental Management Plan (OEMP) which includes a FLCP, to include details of the appointment and responsibilities of a Company Fisheries Liaison Officer (CFLO)	An offshore environmental management plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(e) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales marine licence.
107	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Investigate the establishment of a commercial fisheries working group.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
108	Vol2, Chpt 6: Commercial fisheries (F2.6) Outline fisheries liaison and coexistence plan (J13)	Mitigation	✓			Use of Offshore Fisheries Liaison Officers (OFLOs) where required and appropriate. Local OFLOs will be used where possible.	The Outline Fisheries Liaison and Co-Existence Plan (J13) is secured within the deemed marine licence as part of the offshore environmental management plan in Condition 18(1)(e)(v) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured within the standalone Natural Resources Wales marine licence.
109	Outline fisheries liaison and coexistence plan (J13)	Monitoring	✓			Development and implementation of a monitoring programme which includes pre- and post-construction monitoring of scallop in and around the Mona Array Area for up to five years post-construction.	The Offshore In-Principle Monitoring Plan (J15) is secured in Schedule 14, Condition 18(1)(c) of the draft Development Consent Order (DCO) (C1).
110	Vol2, Chpt 4: Marine mammals (F2.4) Vol2, Chpt 5: Offshore ornithology (F2.5) Measures to minimise disturbance to marine mammals and rafting birds from transiting vessels (J17)	Mitigation	✓			Development and implementation of an Offshore Environmental Management Plan which includes measures to minimise disturbance to marine mammals and rafting birds from transiting vessels, requiring: <ul style="list-style-type: none"> • Vessels not to deliberately approach marine mammals as a minimum • Vessels to avoid abrupt changes in course or speed where possible should marine mammals approach the vessel • Site induction processes incorporating principles of the Wildlife Safe (WiSe) Scheme. 	Development of and adherence to a final Measures to minimise disturbance to marine mammals and rafting birds from transiting vessels (J17) is secured within the deemed marine licence as part of the offshore environmental management plan Condition 18(1)(e)(vi) of Schedule 14 of the draft Development Consent Order (DCO) (C1) and is expected to be secured as a condition within the standalone Natural Resources Wales marine licence.
111	Outline MMMP (J21)	Mitigation	✓			Clearance of UXO will be restricted to low order techniques only. It should be noted that the requirement for high order UXO clearance cannot be ruled out, and should this be required, a separate marine licence would be sought.	Clearance of low order unexploded ordnance only is secured within the deemed marine licence in Schedule 14, Condition 21(7) and expected to be secured within the standalone Natural Resources Wales marine licence.
112	Vol2, Chpt 7: Shipping and navigation (F2.7)	Monitoring	✓			Preparation and adherence to an Aids to Navigation Management Plan which includes AtoN monitoring to ensure constant functionality through the lifetime of the Mona Offshore Wind Project. Trinity House to be informed of any defects.	An aids to navigation management plan must be agreed as part of the deemed marine licence as set out in Schedule 14, Condition 18(1)(g) of the draft Development Consent Order (DCO) (C1) and is expected to be secured in the standalone Natural Resources Wales marine licence.
113	Outline Vessel Traffic Management Plan (J14)	Mitigation	✓			Development of and adherence to a Vessel Traffic Management Plan (VTMP) which requires review of towage capability of Mona Offshore Wind Project vessels as part of the vessel management undertaken by the Marine Co-ordination Centre.	The Outline Vessel Traffic Management Plan (J14) is secured within the deemed marine licence in Schedule 14 Condition 18(1)(j) of the draft Development Consent Order (DCO) (C1) and expected to be secured within the standalone Natural Resources Wales (NRW) marine licence.