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The Scottish Government
Riaghaltas na h-Alba

Marine Licence Application for Construction Projects

Version 1.0

Marine (Scotland) Act 2010

Marine Scotland, 375 Victoria Road, Aberdeen, AB11 9DB
http://www.gov.scot/Topics/marine/Licensing/marine

Acronyms

Please note the following acronyms referred to in this application form:

BPEO	Best Practicable Environmental Option
EIA	Environmental Impact Assessment
ES	Environmental Statement
MHWS	Mean High Water Springs
MMO	Marine Mammal Observer
MPA	Marine Protected Area
MS-LOT	Marine Scotland – Licensing Operations Team
PAM	Passive Acoustic Monitoring
SAC	Special Area of Conservation
SNH	Scottish Natural Heritage
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest
WGS84	World Geodetic System 1984

Explanatory Notes

The following numbered paragraphs correspond to the questions on the application form and are intended to assist in completing the form. These explanatory notes are specific to this application and so you are advised to read these in conjunction with the Marine Scotland Guidance for Marine Licence Applicants document.

1. Applicant Details

The person making the application who will be named as the licensee.

2. Agent Details

Any person acting under contract (or other agreement) on behalf of any party listed as the applicant and having responsibility for the control, management or physical deposit or removal of any substance(s) or object(s).

3. Payment

Indicate payment method. Cheques must be made payable to: The Scottish Government.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

4. Application Type

Indicate if the application is for a new construction site or an existing construction site. Provide the existing or previous consent/licence number and expiry date if applicable.

5. Project Details

(a) Give a brief description of the project (e.g. construction of a new sea outfall).

(b) Provide the total area of proposed works in square metres.

(c) Provide the proposed start date of the project. The start date will not be backdated, since to commence a project for which a licence has not been obtained will constitute an offence, which may result in appropriate legal action. A licence is normally valid for the duration of the project but not exceeding 3 years. If a project will not be completed before a marine licence lapses, it will be necessary for licence holders to re-apply for a further licence to continue any ongoing work at least 14 weeks prior to the expiry date of the licence. **Target duration for determination of a marine licence application is 14 weeks.**

(d) Provide the proposed completion date of the project.

(e) Provide the cost of the works seawards of the tidal limit of MHWS. This estimate should only cover

work taking place below the tidal level of MHWS and must take into consideration the cost of materials, labour fees etc.

(f) Describe the location of the proposed works. Include a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the proposed project. WGS84 is the World Geodetic System 1984 and the reference co-ordinate system used for marine licence applications. Co-ordinates taken from GPS equipment should be set to WGS84. Coordinates taken from recent admiralty charts will be on a WGS84 compatible datum. Ordnance survey maps do not use WGS84. In a few cases, (e.g. laying of long pipelines) it may only be practicable to supply co-ordinates for the start and end points.

Example: For positions read from charts the format should be as in the example: 55°55.555'N 002°22.222'W (WGS84). The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the format should be as in the example: 55°55'44''N 2°22'11''W (WGS84).

It is important that the correct positions, in the correct format, are included with this application, as any errors will result in the application being refused or delayed.

To supplement your application, please provide photographs of the project location and submit these with your application. Please also provide a suitably scaled extract of an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which must be marked to indicate:

- the full extent of the works in relation to the surrounding area;
- latitude and longitude co-ordinates defining the location of the works;
- the level of MHWS;
- any adjacent SAC, SPA, SSSI, MPA, Ramsar or similar conservation area boundary.

Drawings and plans will be consulted upon. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

Sewer outfalls, discharge pipes for industrial waste etc. The size and description of the pipe must be shown on the longitudinal sections and also details of its supports, foundations, methods of jointing and details of any tidal flaps.

Bridges over tidal waters: An elevation with longitudinal and cross-sections of the bridge to a suitable scale must show the dimensions of the spans and width of piers, etc. above and below MHWS and the maximum and minimum heights of the undersides of the superstructures above MHWS. The headroom above MHWS and the width of span of the nearest bridges, if any, above and below the site must be stated.

Tunnels under tidal waters: The longitudinal section of the tunnel must show the distances between the bed of the river or estuary and the top of the tunnels. Cross-sections must show the internal and external dimensions of the tunnel and particulars of construction. When a proposed future dredging level is known this must also be shown on all sections.

Overhead cables: Catenary must be supplied in addition to the site plan showing the minimum clearance of the cable at MHWS and the electrical clearance allowed.

(g) Indicate if the project is located within the jurisdiction of a statutory harbour authority and provide details of the statutory harbour authority where relevant.

(h) Provide a full method statement, including schedule of works and the ultimate fate of the structure.

(i) Provide assessment of the potential impacts the works may have, including interference with other uses of the sea. Please include details of areas of concern e.g designated conservation areas, such as a SAC, SPA, SSSI, MPA or Ramsar site and shellfish harvesting areas. Further guidance on designated conservation areas can be obtained from SNH at this website:

http://gateway.snh.gov.uk/sitelink/index.jsp and guidance on shellfish harvesting areas can be obtained from http://www.foodstandards.gov.scot/ with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

Applicants should also be aware of the need to pay due regard to coastal and marine archaeological matters and attention is drawn to Historic Scotland's Operational Policy Paper HP6, "Conserving the Underwater Heritage".

Any application for beach replenishment works must be cross checked as to whether the proposed site is a designated bathing water site. If so, all physical works should ideally be done outwith the Bathing Water Season (1st June to 15th September). Further guidance on the Bathing Waters Directive (2006/7/EC) can be obtained from http://apps.sepa.org.uk/bathingwaters/.

Where there are potential impacts from the works, please provide details of proposed mitigation, such as use of MMOs or PAM, in response to potential impacts.

6. Deposits and/or Removals

(a) Complete the table to indicate all permanent substances or objects to be deposited and/or removed from below MHWS. If you propose using types of substances or objects for which a specific box is not provided in the table, please describe the nature of such substances or objects in the box marked "other".

(b) Please indicate the method of delivery of any substance(s) or object(s) to be placed below MHWS.

(c) Where the proposed work involves salt marsh feeding, beach replenishment or land reclamation the description of the substances or objects must include details of its chemical quality. Where the substances or objects have not been chemically analysed, MS-LOT may request representative samples for analysis or require the applicant to arrange for analyses to be undertaken before the marine licence application can be determined.

(d) If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (Latitude and Longitude WGS84) must be added to the form, and the period of time the site will be used must be provided. If granting a licence, MS-LOT will include on the document details of any area that has been approved as a temporary deposit site.

7. Disposal of Dredged Substance(s) or Object(s) at Sea

(a) If you are proposing to dispose of any excess substance(s) or object(s) arising from the project at sea, a separate marine licence will be required (see Dredging and Sea Disposal application form). The granting of a marine licence for construction projects does not imply that a marine licence for sea disposal will also be granted as different assessment criteria are used to determine each type of application. If a separate application is being submitted for dredging and sea disposal then this must be accompanied with a BPEO report.

(b) Provide the quantity of dredged substance(s) or object(s) for sea disposal in wet tonnes.

8. Noise Monitoring

Under the Marine Strategy Regulations (2010), there is now a requirement to monitor loud, low to mid frequency (10Hz to 10kHz) impulsive noise. Activities where this type of noise is produced include seismic airguns, other geophysical surveys (<10kHz), pile driving, explosives and certain acoustic deterrent devices. Where noisy activity is being undertaken, you must complete an initial registration form for the noise registry which allows you to provide details on the proposed work. Completion of a 'close-out' form, which allows licensees to provide details of the actual dates and locations where the activities occurred, is also required within 12 weeks of the completion of the 'noisy' activity or, in the case of prolonged activities such as piling for harbour construction or wind farms, at quarterly intervals or after each phase of foundation installation.

These forms can be downloaded from:
http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction

Marine licence applications will not be accepted until this form has been completed and submitted.

9. Statutory Consenting Powers

Please describe in the answer to this question what (if any) statutory responsibilities you (or your client) have to consent any aspect of the project.

10. Scotland's National Marine Plan

Scotland's National Marine Plan has been prepared in accordance with the EU Directive 2014/89/EU, which came into force in July 2014. The Directive introduces a framework for maritime spatial planning and aims to promote the sustainable development of marine areas and the sustainable use of marine resources. It also sets out a number of minimum requirements all of which have been addressed in this plan. In doing so, and in accordance with article 5(3) of the Directive, Marine Scotland have considered a wide range of sectoral uses and activities and have determined how these different objectives are reflected and weighted in the marine plan. Land-sea interactions have also been taken into account as part of the marine planning process. Any applicant for a marine licence should consider their proposals with reference to Scotland's National Marine Plan. A copy of Scotland's National Marine Plan can be found at: http://www.gov.scot/Publications/2015/03/6517/0

Indicate whether you have considered the project with reference to Scotland's National Marine Plan and provide details of considerations made with reference to the policies, including but not limited to General Policies 7 and 13 (GEN 7 and GEN 13), that have been considered. If you have not considered the project with reference to Scotland's National Marine Plan please provide an explanation.

11. Pre-Application Consultation

Certain activities will be subject to public pre-application consultation. Activities affected will be large projects with the potential for significant impacts on the environment, local communities and other legitimate uses of the sea. The new requirement will allow those local communities, environmental groups and other interested parties to comment on a proposed development in its early stages – before an application for a marine licence is submitted. Further information can be obtained from: http://www.scotland.gov.uk/Resource/0043/00439649.pdf

If applicable, please provide your pre-application consultation report with your application.

12. Consultation (other than carried out under pre-application consultation)

Provide details of all bodies consulted and give details of any consents issued including date of issue.

13. Environmental Assessment

(a) Under the Marine Works Environmental Impact Assessment (EIA) Regulations 2007, there may be a requirement for certain projects to undergo an EIA and produce an ES. If EIA is required, MS-LOT will not determine a marine licence application until the EIA consent decision in respect of the marine licence application has been reached. Please confirm if the project falls under Annex I or II of Directive 85/337/EEC: http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32011L0092&from=EN in relation to the Marine Works (EIA) Regulations 2007.

Marine licence applications for proposals which fall under the regulations will not be accepted unless a screening opinion has been issued in relation to this.

(b) Please indicate if an EIA has been undertaken and whether it was for the marine licence application to which this application relates or for any other EIA regulator (e.g local authority). Please attach any previous ES to the application.

MS-LOT will not determine a marine licence application until the EIA consent decision in respect of any regulated activity associated with the marine licence application has been reached.

14. Associated Works

Indicate whether the application is associated with any other marine projects (e.g. land reclamation, marine/harbour construction works, dredging and sea disposal etc). If this is the case, provide reference/licence number for the related marine projects.

Marine Licence Application for Construction Projects

Version 1.0

Marine (Scotland) Act 2010

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Section 54 of the Marine (Scotland) Act 2010, all information contained within and provided in support of this application will be placed on a Public Register. There are no national security grounds for application information not going on the Register under the 2010 Act.

Public Register

Do you consider that any of the information contained within or provided in support of this application should not be disclosed:

(a) for reasons of national security; YES ☐ NO ■

(b) for reasons of confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? YES ■ NO ☐

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

Section 5(e) notes commercially sensitive information i.e. the costs of the work to be carried out.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

Target duration for determination is 14 weeks. Please note that missing or erroneous information in your application and complications resulting from consultation may result in the application being refused or delayed.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

Declaration

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

Signature [Redacted] Date 17/07/2023

Name in BLOCK LETTERS PETE GEDDES

Application Check List

Please check that you provide all relevant information in support of your application, including but not limited to the following:

- Completed and signed application form ☑
- Project Drawings ☐
- Maps/Charts ☑
- Co-ordinates of the boundary points of the area of harbour jurisdiction (if you are a statutory harbour authority) ☐
- Method Statement ☑
- Photographs of the location of the project ☐
- Additional information e.g. consultation correspondence (if applicable) ☑
- Noise Registry – Initial Registration Form (if applicable) ☐
- Pre-application Report (if applicable) ☐
- Environmental Statement (if applicable) ☐
- Payment (if paying by cheque) ☐

1. Applicant Details

Title: Mr Initials: P Surname: Geddes

Trading Title (if appropriate): Moray Offshore Windfarm (West) Limited

Address: 5th Floor, Atria One, 144 Morrison Street, Edinburgh, EH3 8EX

Name of contact (if different): Nuria Abad Oliva

Telephone No. (inc. dialing code): +44 [Redacted]

Email: nuria.abad@oceanwinds.com

Statutory Harbour Authority? YES ☐ NO ■

If **YES**, please provide a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the area of harbour jurisdiction using Appendix 01 Additional Co-ordinates form if necessary.

2. Agent Details (if any)

Title: Initials: Surname:

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

3. Payment

Enclosed Cheque ☐ Invoice ■

Contact and address to send invoice to:

Applicant ■ Agent ☐ Other ☐

If **OTHER**, please provide contact details:

Title: Initials: Surname:

Address:

Email:

4. Application Type

Is this application for a new construction site or an existing construction site:

New Site ☐ Existing Site ☒

If an **EXISTING SITE**, please provide the consent/licence number and expiry date:

Consent/Licence Number	Expiry Date
1. Section 36 Consent for the construction and operation of the Moray West Offshore Wind Farm (Reference: 012/OW/MORLW – 8) 2. Moray West Wind Farm Marine Licence (Licence Number:MS-00009774) 3. Moray West OfTI Marine Licence (Licence Number: MS-00009813)	1. June 2044 2. 13 June 2044 3. 13 June 2044

5. Project Details

(a) Brief description of the project (e.g. construction of a new sea outfall):

Before the majority of construction and installation works can begin, it is necessary to undertake pre-construction seabed preparations. These preparations include the clearance of Unexploded Ordnance (UXO) as a necessary measure to mitigate this potentially major risk to safety. Any UXO, identified through a dedicated survey, that are deemed to be hazardous must be removed from the areas in the vicinity of the planned Wind Turbine Generator (WTG) and Offshore Substation Platform (OSP) foundations and inter-array, inter-connector and offshore export cables before the construction of these key project elements can commence.
Following assumed successful completion of the UXO clearance (by deflagration) activities in the OfTI Corridor in May 2023, a new UXO (LMB Mine) of 705kg NEQ was identified in June 2023, 11m from the planned location of one of the two export cables, and therefore within the OfTI Corridor.

(b) Total area of the proposed works (in square metres):

930000 m^2

(c) Proposed start date **(Target duration for determination of a marine licence application is 14 weeks):**

01/09/2023

(d) Proposed completion date:

30/09/2023

(e) Cost of the works seawards of the tidal limit of MHWS:

£ [Redacted]

(f) Location:

Moray West Offshore Wind Farm Development Site (OfTI Corridor). The LMB Mine is located within the Moray West OfTI Corridor, 11m from the planned location of one of the two export cables
Co-ordinates for the Moray West Site are provided in the Appendix 01 - Marine Licence Additional Co-ordinates Form

Latitude and Longitude co-ordinates (WGS84) defining the extent of the project (continue on Appendix 01 Additional Co-ordinates form if necessary):

Latitude											Longitude										
		°			.				' N					°			.				' W
		°			.				' N					°			.				' W
		°			.				' N					°			.				' W
		°			.				' N					°			.				' W
		°			.				' N					°			.				' W
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		°			.				' N					°			.				' W
		°			.				' N					°			.				' W
		°			.				' N					°			.				' W
		°			.				' N					°			.				' W

(g) Is the project located within the jurisdiction of a statutory harbour authority?

YES ☐ NO ☒

If **YES**, please specify statutory harbour authority:

(h) Method statement including schedule of work (continue on separate sheet if necessary):

UXO Disposal Operations (low order clearance by deflagration) within the Moray West OfTI Corridor will commence from 1 September 2023 and are expected to be completed by 30 September 2023.

Following assumed successful completion of the UXO clearance (by deflagration) activities in the OfTI Corridor in May 2023, a new UXO (LMB Mine) of 705kg NEQ was identified in June 2023 during OfTI boulder clearance works by an ROV 11m from the planned location of one of the two export cables, and therefore within the OfTI Corridor, which also overlaps with the Southern Trench MPA.

LOW ORDER - DEFLAGRATION:

The method selected to be utilised for the UXO clearance works at Moray West Site is Deflagration, a process pioneered by our Contractor: Eodex. Following confirmation by uncrewed vehicle that the anomaly is indeed a UXO requiring clearance by Deflagration, the methodology below would be completed:

A plastic/steel casing would be attached directly to the LMB UXO by hand by a diver or an uncrewed vehicle, containing the materials used to make-safe the UXO. The EOD System will be placed in a optimum firing position, away fro the firing mechanism of the LMB UXO.
Once environmental and safety mitigation has been applied, the initiation of the Deflagration will begin with the contents of the plastic/steel casing causing a rapid burning through the UXO.
This begins the incineration of the UXOs contents which in-turn builds up a gas pressure whilst consuming the UXOs explosive contents.
Once the contents ignite and the UXO reaches a critical pressure, the case bursts and the UXO is made safe.
The methodologies employed by EODEX allow for all the remains of the UXO to be concentrated at its original location.
Once considered safe to do so, the remains of the UXO will be recovered for final safe disposal at an environmentally accredited site ashore, meaning that all parts of the neutralised UXO will be removed from its identified location on the seabed following deflagration action.

The deflagration process will produce an increase in internal pressure as the burning consumes the UXO explosive fill. When the internal pressure reaches its peak the outer casing of the UXO will fracture and the burning process will cease due to the ingress of seawater. There will be residual UXO explosive fill remaining, some of which will remain within the UXO and some scattered around the item out to a distance of 1-2 m. The remnants within the UXO will be brought back to the vessel deck along with the UXO carcass, this will be recovered using the vessel crane and grab system. Any scattered remnants will be scooped up by the WROV using EODEX s fine mesh net and also brought to the vessel deck. The recovery of the UXO fill within a short space of time will limit the release of any small amounts of the UXOs contents to the marine environment.
The recovered explosives are to be dealt with by storing them inside one of the EODEX explosive magazines held onboard the vessel. When the vessel arrives in port the explosives will be transported to a licensed incinerator facility for burning.
Although deflagration is still a kinetic process, it has greatly reduced effects on the surrounding environment from those created during a clearance by detonation, i.e. detonating the UXO with the same explosive results the UXO was designed for.

(i) Potential impacts the works may have (including details of areas of concern e.g designated conservation and shellfish harvesting areas) and proposed mitigation in response to potential impacts (continue on separate sheet if necessary):

An overview of the baseline environment for each environmental parameter and potential impacts on key receptors that may be potentially affected by the single LMB UXO clearance event required within the Moray West OfTI Corridor is provided in the UXO Clearance Environmental report (8460005-DG0207-MWW-REP-000006 dated 17 July 2023). The methodology that will be used to dispose the single LMB UXO is deflagration (low order clearance), however the assessment is based on the worst-case scenario of donor charges of up to 150gr, and up to three deflagration attemps in a 24-hour period, for the single LMB UXO clearance event and concludes, based on professional judgement and appraisal of the relevant data, whether the UXO clearance activities are likely to result in an adverse effect on the receptor.

No significant effects (alone or cumulatively) are predicted to occur given the small scale and temporary duration of the UXO clearance works, and when considering the mitigation proposed and that already in place for the Project. Embedded mitigation measures are proposed for a number of receptors, namely marine mammals, fish and shellfish, infrastructure and other users, shipping and navigation, commercial fisheries, archaeology and cultural heritage; which will be implemented for the UXO clearance activities to reduce the potential for certain impacts.

Given the location of the LMB UXO, avoidance is not possible. Moray West has considered alternative options such as the re-location of the LMB UXO. However, due to safety concerns the Moray West UXO clearance Consultant has advised that this option is not recommended as the outer aluminium casing of the LMB Mine is thin and not suitable for grabbing or stable for even small impacts. Additionally, re-location of this UXO does not remove the risk for all sea users. Therefore, Moray West's only option is to dispose of the LMB UXO using its preferred method of low order clearance by deflagration.
UXO low order clearance removes any further risk to all sea users and renders the site safe for subsequent construction activities.
A 500 m radius safety distance has been implemented around the confirmed LMB UXO, the position noted, and all relevant authorities notified. The location is currently being monitored by a Moray West chartered guard vessel to warn passing vessels of the presence of the UXO and associated risks to safety in the event that they are unaware of the notifications issued.

The following mitigation will be adopted in relation to the UXO clearance works:
• Advanced warning of activities through the promulgation of Notice to Mariners, VHF radio transmissions and direct communication with relevant infrastructure owners;
• Implementation of 1,500 m safety distance around clearance activities;
• Vessels will be lit appropriately (i.e., they will display lights and signals in accordance with the UK Standard Marking Schedule for Offshore Installations, and in accordance with the requirements of the International Regulations for the Prevention of Collisions at Sea);
• Compliance with agreed archaeological AEZs and adherence to the Moray West WSI&PAD at all times during the seabed preparation works;

A UXO-specific Marine Mammal Mitigation Protocol (MMMP) has been prepared for the UXO clearance works, which details the proposed mitigation to avoid or reduce the potential for auditory injury in marine mammals during UXO clearance:
• Low-order clearance by Deflagration as the selected method to dispose of UXO and primary mitigation, by a specialist contractor to achieve safe disposal of the UXO;
• LMB UXO clearance to take place in daylight and in favourable conditions with good visibility (sea state 3 or less);
• Establishment of a monitoring area with minimum of 1 km radius.
• The observation of the monitoring area will be by dedicated and trained Marine Mammal Observers (MMOs) during daylight hours and suitable visibility;
• The deployment of Passive Acoustic Monitoring (PAM) devices, if required, and if the equipment can be safely deployed and retrieved; and
• The activation of Acoustic Deterrent Device (ADD).

6. Deposits and/or Removals

(a) **Permanent** substance(s) or object(s) to be deposited and/or removed from below MHWS (continue on a separate sheet if necessary):

	Deposits		Removals	
Type of Deposit/Removal	Description	Quantity & Dimensions (metric)	Description	Quantity & Dimensions (metric)
Steel/Iron		No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Timber		No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Concrete		No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Plastic/Synthetic		m^2		m^2
Clay (< 0.004 mm)		Volume (m^3)		Volume (m^3)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Silt (0.004 ≤ Silt < 0.063 mm)		Volume (m^3)		Volume (m^3)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Sand (0.063 ≤ Sand < 2.0 mm)		Volume (m^3)		Volume (m^3)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Gravel (2.00 ≤ Gravel < 64.0 mm)		Volume (m^3)		Volume (m^3)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Cobbles (64.0 ≤ Cobbles < 256.0 mm)		Volume (m^3)		Volume (m^3)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Boulders (≥ 256.0 mm)		Volume (m^3)		Volume (m^3)
		Weight (kg/tonnes)		Weight (kg/tonnes)

Pipe		Length (m) External Diameter (cm/m)		Length (m) External Diameter (cm/m)
Other (please describe below):				

(b) Method of delivery of substance(s) or object(s):

(c) For work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the substance(s) or object(s) to be deposited:

Quantity (tonnes):

tonnes

Nature of substance(s) or object(s) (e.g. sand, silt, gravel etc.):

Source (if sea dredged state location of origin)

Particle size:

Have the substance(s) or object(s) been chemically analysed? **YES** ☐ **NO** ☐
If YES, please include the analysis data with your application

(d) **Temporary** substance(s) or object(s) to be deposited below MHWS (continue on a separate sheet if necessary):

Type of Deposit	**Description**	**Quantity & Dimensions** (metric)
Steel/Iron	Steel casting and disposal tool placed adjacent to the UXO	1 No.
		84cm x 45cm x 40cm Dimensions
		40kg Weight (kg/tonnes)
Timber		No.
		Dimensions
		Weight (kg/tonnes)

Concrete		No.
		Dimensions
		Weight (kg/tonnes)
Plastic/Synthetic		m^2
Clay (< 0.004 mm)		Volume (m^3)
		Weight (kg/tonnes)
Silt (0.004 ≤ Silt < 0.063 mm)		Volume (m^3)
		Weight (kg/tonnes)
Sand (0.063 ≤ Sand < 2.0 mm)		Volume (m^3)
		Weight (kg/tonnes)
Gravel (2.00 ≤ Gravel < 64.0 mm)		Volume (m^3)
		Weight (kg/tonnes)
Cobbles (64.0 ≤ Cobbles < 256.0 mm)		Volume (m^3)
		Weight (kg/tonnes)
Boulders (≥ 256.0 mm)		Volume (m^3)
		Weight (kg/tonnes)
Pipe		Length (m)
		External Diameter (cm/m)
Other (please describe below):		
Plastic and explosives (for deflagration)	Shock tube detonator with PENO explosives	Up to 150g per UXO (up to 1 UXO, with up to 3 deflagration attempts)

7. Disposal of Dredged Substance(s) or Object(s) at Sea

(a) Do you intend to apply for a marine licence for sea disposal of dredged substance(s) or object(s) as part of the project? YES ☐ NO ■

If **YES**, please specify nature of substance(s) or object(s) (e.g sand, gravel, silt, clay, rock etc.):

(b) Quantity of substance(s) or object(s) (wet tonnes):

wet tonnes

A separate marine licence application will be required to be submitted for sea disposal.

8. Noise Monitoring

Will loud, low to mid frequency (10Hz to 10kHz) impulsive noise be produced by the project? YES ■ NO ☐

If **YES**, which please indicate the noise generating activities and sound frequencies:

Noise Generating Activity	Sound Frequency (Hertz)
Use of Explosives	2 - 1,000 Hz with the main energy between 6 - 21 Hz
Use of Accoustic Deterrent Devices	between 10 and 20 kHz
Piling	N/A
Other (please describe below):	

If you have ticked **YES**, please complete the Noise Registry – Initial Registration form located at: http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction

Marine licence applications will not be accepted until this form has been completed and submitted.

9. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

No

10. Scotland's National Marine Plan

Have you considered the application with reference to Scotland's National Marine Plan? YES ■ NO ☐

If **YES**, provide details of considerations made with reference to the policies, including but not limited to General Policies 7 and 13 (GEN 7 and GEN 13), that have been considered:

The Moray West UXO Clearance Environmental Report (8460005-DG0207-MWW-REP-000004) has been prepared in consideration of, and in reference to, Scotland's National Marine Plan.
The following policies are relevant to this Marine Licence application:
• GEN 7 Landscape/seascape: Marine planners and decision makers should ensure that development and use of the marine environment take seascape, landscape and visual impacts into account.
• GEN 9 Natural heritage: Development and use of the marine environment must:
o Comply with legal requirements for protected areas and protected species.
o Not result in significant impact on the national status of Priority Marine Features.
o Protect and, where appropriate, enhance the health of the marine area.
• GEN 13 Noise: Development and use in the marine environment should avoid significant adverse effects of man-made noise and vibration, especially on species sensitive to such effects.

GEN 7 considers the importance of landscape and seascape elements to people's enjoyment of the coastal and marine environment. The UXO clearance works form part of preparation works for the Moray West Offshore Wind Farm, which has undergone a robust Environmental Impact Assessment (EIA) assessment to minimise any landscape/seascape impacts. The UXO clearance itself is all carried out underwater and will not alter any landscape or seascape views.
GEN 9 considers the natural heritage of the surrounding environment and ensure that it is protected. This environmental report ensures that the effects from the UXO clearance, are reduced and mitigated as much as possible, to ensure the integrity of the surrounding environment is protected.
GEN 13 states that the any man-made noise and vibration does not adversely affect those species sensitive to underwater noise. A risk assessment has been prepared and submitted alongside the EPS Licence application. In addition, a UXO specific Marine Mammal Mitigation Protocol MMMP has been prepared and will be implemented during the UXO clearance activities.

If **NO**, please provide an explanation of why you haven't considered the National Marine Plan?

11. Pre-Application Consultation

Is the application subject to pre-application consultation, under The Marine Licensing (Pre-application Consultation) (Scotland) Regulations 2013? YES ☐ NO ■

If **YES,** please indicate the date of the public notice for the pre-application consultation event and the type of consultation event held (a copy of the public notice must be supplied with this application):

Event Type	Date

12. Consultation

List all bodies you have consulted and provide copies of correspondence:

An initial consultation has been undertaken prior to the submission of the Marine Licence application to Marine Directorate. A meeting was held on 12th July 2023 to present technical details to Marine Directorate, Marine Scotland Science, JNCC and Nature Scot.

Information was presented on the design of the mine and its purpose in World War 2, how and where it was found, the alternatives to clearing the mine (relocate, avoidance, delay etc), the proposed use of deflagration as a clearance method and the method for using it on this UXO, and success of deflagration undertaken to date alongside initial noise monitoring results from the 30 UXO earlier in the clearance campaign which underwent noise monitoring.

Moray West sought feedback on monitoring and mitigation techniques at this meeting. The outcomes from the meeting were built into the reports which underpin this licence request.

13. Environmental Assessment

(a) Does the project fall under Annex I or II of the EIA Directive?

Annex I ☐ Annex II ☐ Neither ■

If **ANNEX I or ANNEX II**, please provide the screening opinion issued to you in relation to the project.

(b) Has an EIA been undertaken:

for the marine licence application to which this application relates YES ☐ NO ■
for any other EIA regulator (e.g local authority) YES ☐ NO ■

14. Associated Works

Provide details of other related marine projects, including reference/licence numbers (if applicable):

The construction, operation and maintenance of the Moray West Offshore Wind Farm (licence number: MS-00009774) and associated Offshore Transmission Infrastructure (licence number: MS-00009813).