

## Marine Renewable Energy Projects in the Territorial Sea and UK Controlled Waters Adjacent to Scotland

### Marine (Scotland) Act 2010

**IMPORTANT:** Before completing this form, please read these notes carefully.

The following numbered paragraphs correspond to the questions on the application form and are intended to assist applicants in completing the form. These explanatory notes are specific to this application and so applicants are advised to read these in conjunction with the General Guidance document. If further clarification is needed please contact Marine Scotland Licensing Operations Team (MS-LOT) on 01224 295579 or email:

[MS.MarineLicensing@scotland.gsi.gov.uk](mailto:MS.MarineLicensing@scotland.gsi.gov.uk)

Please refer to the General Guidance for information regarding payment methods.

# Explanatory Notes

## 2. Applicant

The person, company or organisation making the application that will be named as the licensee on any licence issued.

## 3. Agent

Any person, company or organisation acting under contract (or other agreement) on behalf of any party listed in the answer to question 2, and having responsibility for the control, management or physical deposit of materials anywhere below the tidal limit of the mean high water springs (MHWS) (e.g. a consultancy company submitting the application or a contractor who will be carrying out the works.)

## 4. Duration of Project

Provide details of the proposed commencement and completion dates of the project. The start date will not normally be backdated, except in exceptional circumstances, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action. A licence is normally valid for 1 calendar year or the duration of the project (whichever is longer). After this period, it may be necessary for licence holders to re-apply for a further licence to continue any ongoing work (i.e. the project will be reviewed to establish whether original details are being adhered to). Although Marine Scotland Licensing Operations Team (MS-LOT) will aim to write to licence holders one month before the expiry date of a licence, it is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

## 5. Description and Cost of the Proposed Project

- (a) This estimate should only cover work taking place below the tidal level of MHWS and should take into consideration the cost of materials, labour fees etc.
- (b) Where the project is expected to take longer than 12 consecutive months, this description must detail which elements are to be undertaken in the first 12 months, with an outline of the schedule for each further 12 month period (the method of work should be described in the answer to question 7). In the event that MS-LOT must undertake a wider consultation on your application this description may be used as a basis for informing other bodies as to the nature of the proposed work.
- (c) Best describe the type of work proposed. Where the project involves a number of elements, please complete all appropriate boxes.

## 6. Location of Project

Include a list of the National Grid References (NGR) or latitude and longitude co-ordinates of the boundary points of the proposed project. In some cases, (e.g. the laying of cables) it may only be practicable to supply NGR or latitude and longitude co-ordinates for the start and end points.

**NGR:** Should consist of two letters followed by 10 digits (e.g. TL6320031700) where the first 5 digits are the eastings (read from the south west corner of an Ordnance Survey map) and the last 5 digits are northings.

**Latitude & longitude:** For positions read from charts of 1:25,000 scale or smaller, the format should be, e.g. 55°55.55'N 222.22'W. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the datum should be explicitly marked, e.g. 55°55'44"N 2°22'11"W. For positions read from larger scale charts, e.g. 1:10,000, three decimal places of minutes should be used, e.g. 55°55.444'N 2°22.222'W.

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

To supplement the information given in section 6, the following must be provided with the completed application form:

- a suitably scaled extract of an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which should be marked to indicate:
  - the full extent of the project in relation to the surrounding area;
  - either NGR or latitude and longitude co-ordinates defining the area of operation.
  - the level of MHWS;
  - any adjacent Special Area of Conservation (SAC), Special Protection Area (SPA), Site of Special Scientific Interest (SSSI), Ramsar or similar conservation area boundary.

These drawings/plans may be copied to others as part of the MS-LOT consultation process. 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.**

## 7. Method Statement

Please provide a full method statement, including details of any temporary structures/deposits that may be required below MHWS during the project, the ultimate fate of the structure and material used in its construction. Details of temporary structures will be included in any licence issued.

Proposed measures to ensure the marine environment is adequately safeguarded during the project should also be described, as should those taken to minimise any interference with other uses of the sea or foreshore.

## 8. Permanent (and Temporary) Deposits

- (a) Complete the appropriate box(es) to indicate all materials to be deposited below MHWS. If you propose using types of materials for which a specific box is not provided, please describe the nature of such material in the box marked "Other".
- (b) If any materials to be placed below MHWS are to be brought to the site by sea, give details of the material (e.g. clean rock, average particle size) the vessels to be used,

A chart should also be provided showing the proposed vessel route to the project site and details of any transshipment areas (i.e. where material may be off-loaded to smaller vessels/barges for transport inshore).

If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (NGR or Lat/Long) should be added to section 6 of the form, and the period of time the site will be used must be provided. If issuing a licence, MS-LOT will include on the document details of any area that has been approved as a temporary deposit site

## 9. Producer/Contractor

The person, company or organisation whose activities produce the material intended for deposit in the sea (e.g. the dredging or excavation contractor).

## 10. Holder

The person, company or organisation that will be in possession of the waste prior to its deposit in the sea. This will include those providing temporary storage facilities or transporting the material to the vessel for conveyance to the sea disposal site etc.

## 11. Agent

Any person, company or organisation acting under contract (or other agreement) on behalf of any party listed in the answer to sections 1, 9 or 10 and having responsibility for the control, management or deposit anywhere below the tidal limit of MHWS (e.g. a consultancy company submitting the application or a contractor who will be carrying out the operations).

## 12. Duration of Dredging/Drilling Operation

Provide details of the proposed commencement and completion dates of the operations. The start date will not normally be backdated, except in exceptional circumstances, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action. A licence may be issued for up to 3 calendar years, although MS-LOT will aim to write to licence holders two months before the expiry date of a licence, it is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

## 13. Details of Dredging/Drilling and Disposal Vessel(s)

The name, operator and type of vessel, including the type of dredging/drilling plant (e.g. cutter-suction) should be entered. If vessel details are not available at the time of application, please indicate this on the form as these details will be required prior to licence issue.

## 14. Method Statement of Dredging/Drilling Operation

Provide a full method statement of the dredging/drilling operation. This should include details such as the rate of dredging/drilling, timing of the operation, order of the areas to be dredged/drilled and the precautions taken to protect both navigation and the environment.

## 15. Use of Explosives

Indicate whether explosives are to be used as part of the dredging operations. If yes, please indicate if a method statement has been provided with your application. If a method statement has been produced but is not available, please provide an explanation in the space provided.

## 16. Details of Areas to be Dredged/Drilled

This section requires data to be provided about the source area to be dredged and the type of material to be deposited.

**Name of Area** - An annotated chart/location plan (either at A3 or A4 format) of suitable scale (1:2,500 but no more than 1:10,000) should be provided, with each proposed dredge area marked and named. The chart/location plan should show the full extent of the project in relation to the surrounding area. These drawings/plans may be copied to others as part of MS-LOT consultation procedures. 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.**

**Co-ordinates** - Include a list of the National Grid References (NGR) or latitude and longitude co-ordinates of the boundary points for the proposed dredge areas.

- **NGR:** Should consist of two letters followed by 10 digits (e.g. TL6320031700) where the first 5 digits are the eastings (read from the south west corner of an Ordnance Survey map) and the last 5 digits are northings.
- **Latitude & longitude:** For positions read from charts of 1:25,000 scale or smaller, the format should be, e.g. 55°55.55'N 222.22'W. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the datum should be explicitly marked, e.g. 55°55'44"N 2°22'11"W. For positions read from larger scale charts, e.g. 1:10,000, three decimal

places of minutes should be used, e.g. 55°55.444'N 2°22.222'W.

**Nature of Dredge/Drill Area** - provide a description of the type of area to be dredged/drilled (e.g. river bed, sea, harbour, approach channel, estuary)

## 17. Details of Material to be Dredged/Drilled

Information is required for each of the areas listed in the answer to section 16. The applicant should indicate the following:

A pre-dredge survey and sediment chemical analysis report will be required by MS-LOT prior to the issue of a sea disposal licence. Please contact MS-LOT for details in relation to specific projects. In addition to those samples analysed by the applicant, sediment sub-samples must be submitted to MS-LOT as check monitoring may be required.

**Physical Composition of Material** - indicate the approximate proportions (by volume) of the different types of dredged materials which are expected to be removed from each area.

For the purposes of this application the following descriptions should be used:

Average particle size (Based on the Wentworth Table)		
Description	Lower range	Upper range
Boulders	256 mm+	
Cobbles	64 mm	256 mm
Pebbles	4mm	64 mm
Granules	2 mm	4mm
Sand	62 microns	2mm
Silt and clay		62 microns

**Depth of Material to be Removed** - indicate the maximum depth (in metres) below the current seabed level, to which it is expected dredging is to be carried out.

**Estimated Specific Gravity** - indicate the specific gravity of the material to be disposed.

**Quantity to be Dredged/Drilled per Year** - the amount of material to be dredged (per year) from each area. Indicate unit of measure, either in-situ cubic metres or metric tonnes.

## 18. Dredged/Drilled Material: Additional Information

**Contamination** - information should be given regarding contamination in any of the areas to be dredged/drilled e.g. waste discharges, man-made rubbish or industrial activity in close proximity.

**Type of dredger** - indicate the type of dredging plant to be used within each area.

**Beneficial uses** – include any intended beneficial use of material (details to be provided in the BPEO).

## 19. Details of Dredged/Drilled Material Quality

The applicant is required to have representative sediment samples analysed at a laboratory of choice. This is liable to extend the time required to consider your application **as no licence will be issued without provision of this chemistry data**. As part of the application consideration process, an assessment will be made of the

chemical and physical characteristics of the material to be deposited at sea and its potential effects upon the marine environment.

As part of the licence conditions, you may be required to take representative samples of the dredged/drilled material during the dredging/sea disposal operations for analysis by MS-LOT. In such cases, samples should be taken at specified locations and depths and placed in containers which will be provided. The samples should then be returned to MS-LOT at the Marine Laboratory Aberdeen. This process enables the UK to fulfil its obligations under international conventions.

## 20. Best Practicable Environmental Option (BPEO) Assessment

Under Part 4, Section 27(2) of the Marine (Scotland) Act 2010 (there is no equivalent provision under the Marine and Coastal Access Act 2009), the Licensing Authority has an obligation to consider the availability of practical alternatives when considering applications involving disposal of material at sea. In order for Marine Scotland to thoroughly assess the available alternative options and reach a properly considered decision, all sea disposal licence applications must be supported by a detailed assessment of the alternative options - a Best Practicable Environmental Option (BPEO) assessment. This should include a statement setting out the reasons which have led to the conclusion that deposit of the materials at sea is the BPEO. **Sea disposal applications will not be considered unless they are accompanied by a BPEO assessment.** All options in the BPEO should be explored fully (as per the guidance documents) otherwise your form and BPEO are liable to be returned to you thereby delaying processing of the application.

## 21. Sea Disposal Site Details

Provide details of the proposed sea disposal site for the dredged material and, if necessary, any alternative sea disposal site(s) considered. In determining whether to issue a licence, MS-LOT will take into account any site nominated by the applicant. However, should this site be unsuitable, the nearest suitable disposal site for the dredged material will be identified. Should you wish to establish a new site, please provide details in a covering letter with your application and MS-LOT will contact you to discuss your proposal before your application is determined. The cost of any site investigations to identify any new sea disposal site will normally be the responsibility of the applicant.

## 22. Other Consents

Detail all consents required for the proposed project and indicate those that you have applied for or received. In all cases the applicant must provide the name and address of the nearest Local Planning Authority for the location of the project.

## 23. 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.

## 24. Advertising and Consultation

- (a) Confirm whether the proposed project has been advertised, and if so how and where?
- (b) Have the public been invited to comment on the proposed project? If so to whom and what was the closing date?
- (c) Have any consultation meetings been held with the public? If so where and when?

## 25. Consultation with Conservation Bodies

Consenting Authorities have a duty to ensure marine projects will not have a significant adverse environmental impact, particularly upon designated conservation areas (e.g. SSSI, SAC, SPA, Ramsar sites etc). All details of

consultations with conservation bodies (e.g. SNH, JNCC) should be given, particularly where the applicant has statutory powers for consenting aspects of the project

In addition, guidance can be obtained from [www.foodstandards.gov.uk/](http://www.foodstandards.gov.uk/) 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.

## 26. Designated Conservation Areas

Indicate whether the proposed project is located within or close to the boundaries of a conservation area such as a SAC, SPA, SSSI or Ramsar site (further information can be found on the SNH SiteLink webpage <http://gateway.snh.gov.uk/>).

## 27. Environmental Assessment

Under the Marine Works (EIA) Regulations 2007, there may be a requirement for certain projects to undergo an Environmental Impact Assessment (EIA) and produce an Environmental Statement (ES). If an EIA/ES is deemed necessary, MS-LOT cannot issue a marine Licence until the outcome of the EIA/ES has been determined. Please indicate whether any EIA has been carried out in respect of the proposed project, either under your own powers or as required by another authority. If such an assessment has been undertaken, please indicate if a copy has been provided with your application. If the statement/assessment has been completed but is not available, please provide an explanation in the space provided.

Additionally, please also give details regarding if and where a copy has been/is being made available for public inspection.

## Other Considerations

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". Please ensure that you have:

- completed **all** applicable sections of the application form;
- signed and dated the declaration;
- provided the correct relevant documents, charts, and continuation sheets (where necessary); and
- enclosed the correct payment (together with the remittance slip) or paid by means of BACS (if appropriate).

**Otherwise your application may be delayed or returned to you.**

# Application for Marine Renewable Energy Projects in the Territorial Sea and UK Controlled Waters Adjacent to Scotland

(ML-003)

## Marine (Scotland) Act 2010

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

**Under Part 4, Section 54 of the Marine (Scotland) Act 2010 and Section 101 of the Marine and Coastal Access Act 2009 all information contained within or provided in support of this application will be placed on the Public Register. There is no national security grounds for application information not going on the Register under the 2010 Act. Under the 2009 Act, application information goes on the Register unless the Secretary of State determines that it's disclosure in the Register would be contrary to the interests of national security.**

### Public Register

Is there any information contained within or provided in support of this application that you consider should not be included on the Public Register on the grounds that its disclosure

- (a) would be contrary to the interests of national security; or YES  NO
- (b) would adversely affect the 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.



## 1. Project Title and Payment Details

Please give a brief identifiable description, including the location, of the project.

**Payment:** Enclosed payment  BACS  **OR** Invoice

## 2. Applicant Details

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact  
(if different)

Position within Company  
(if appropriate)

Telephone No.  
(inc. dialing code)

Fax No.  
(inc. dialing code)

Company Registration No.

Email

## 3. Agent Details (if any)

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact  
(if different)

Position within Company  
(if appropriate)

Telephone No.  
(inc. dialing code)

Fax No.  
(inc. dialing code)

Company Registration No.

Email

## 4. Duration of Project

Start date

Expected completion date

**5. Description and Cost of the Proposed Project**

**(a)** Estimated gross cost of the works proposed seawards of the tidal limit of MHWS

**(b)** Give a detailed description of the proposed schedule of work.

**(c)** Types of Work Proposed

General Marine Project (e.g. wave, tidal device, monopile turbine)

Scientific/Marine Survey (e.g. geotechnical, geophysical, waverider):

Moorings (e.g. private, commercial):

Dredging/Drilling Operations

**6. Location of Project (including any temporary deposit locations)**

This should include either National Grid References (NGR) or Latitude and Longitude co-ordinates defining the extent of the project.

**7. Method Statement**

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**8. Permanent (and Temporary) Deposits**

(a) Quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS:

Type of Deposit	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Steel/Iron		Tonnes No. (if applicable)
Timber		m <sup>3</sup> /tonnes
Plastic/Synthetic		m <sup>2</sup>
Concrete		m <sup>3</sup>
Silt		m <sup>3</sup>
Sand		m <sup>3</sup>
Stone/Rock/Gravel		Size range (mm) Total m <sup>3</sup>
Concrete bags/mattresses		No. Dimensions Total m <sup>3</sup>
Cable		Length (m)

Other (please describe below):

(b) Method of delivery of material.  
(see Guidance Notes)

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*If necessary, please continue on a separate sheet and tick this box*

**IF THE PROJECT INVOLVES DREDGING/DRILLING (AND DISPOSAL OF DREDGED MATERIALS AT SEA) THEN PLEASE COMPLETE THE FOLLOWING SECTIONS, OTHERWISE PROCEED TO SECTION 22**

## 9. Dredging/Drilling Contractor/Producer Details

Title                              Initials                              Surname

Trading Title (if appropriate)

Address

Name of contact  
(if different)

Position within Company  
(if appropriate)

Telephone No.  
(inc. dialing code)                              Fax No.  
(inc. dialing code)

Company Registration No.                              Email

## 10. Holder

If the Holder is also the Applicant (shown at 2) tick the box and go to section 11                             

If the Holder is also the Producer (shown at 9) of the material tick the box and go to section 11                             

Title                              Initials                              Surname

Trading Title (if appropriate)

Address

Name of contact  
(if different)

Position within Company  
(if appropriate)

Telephone No.  
(inc. dialing code)                              Fax No.  
(inc. dialing code)

Company Registration No.                              Email

## 11. Agent

Title                              Initials                              Surname

Trading Title (if appropriate)

Address

Name of contact  
(if different)

Position within Company  
(if appropriate)

Telephone No.  
(inc. dialing code)

Fax No.  
(inc. dialing code)

Company Registration No.

Email

*If more than one 'Agent' please continue on a separate sheet and tick the box*

## 12. Duration of Dredging/Drilling Operation

When is it proposed to begin the dredging/drilling operation?

When are dredging/drilling and disposal operations expected to be completed?

## 13. Details of Dredging/Drilling and Disposal Vessel(s)

	Name of Vessel and Operator	Type of Vessel
(a)		
(b)		
(c)		
(d)		

## 14. Method Statement for Dredging/Drilling Operation

## 15. Use of Explosives

Will any part of the dredging operation involve the use of explosives?

YES  NO

If YES,

Has a method statement regarding the use of explosives been submitted with this application?

YES  NO

If a method statement is not being submitted, please provide an explanation as to why.

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**16. Details of Areas to be Dredged/Drilled**

<b>Dredge/Drill Areas</b>	<b>Name of Area to be Dredged/Drilled</b>	<b>Co-ordinates</b>	<b>Nature of Dredged/Drilled Area</b>
A			
B			
C			
D			
E			

*If necessary please continue on a separate sheet and tick this box*

**17. Details of Material to be Dredged/Drilled**

For each of the areas at rows A –E above (plus any listed separately), provide the following information:

<b>Dredge/Drill Areas</b>	<b>Estimated Specific Gravity</b>	<b>Physical Composition of Material</b>	<b>Depth of Material to be Removed (metres)</b>	<b>Quantity to be Dredged/Drilled per Year (either in-situ m<sup>3</sup> or metric tonnes)</b>
A				
B				
C				
D				
E				

*If necessary please continue on a separate sheet and tick this box*

**18. Dredged/Drilled Material: Additional Information**

For each of the areas at rows A – E above (plus any listed separately), provide the following information:

Dredge/Drill Areas	Type of Contamination	Type of Dredger	Beneficial Uses
A			
B			
C			
D			
E			

If necessary please continue on a separate sheet and tick this box

**19. Details of Dredged Material Quality**

Has the dredged/drilled material been chemically analysed in the last 3 years? YES  NO

Can the samples be made available if required? YES  NO

If **NO**, when will they be available?

**20. Best Practicable Environmental Option (BPEO) Assessment**

Has an up to date BPEO assessment been included with your application? YES  NO

**21. Sea Disposal Site Details**

Name of Disposal Site (or Oslo Code)	Co-ordinates of Disposal Site

**22. Other Consents**

Provide details below of all consents you have applied for or received.

Type of Consent	(Tick appropriate box)		Reference No.	Date of Issue of Consent
	Applied for	Not Applied for		
1. Local Planning Authority (LPA) (e.g. Town and Country Planning Act)  Name and address of LPA for Location of proposed works:				
2. Land Owner e.g. The Crown Estate				
3. Local Port or Harbour Authority e.g. local work licence				
4. Scottish Environment Protection Agency (SEPA)				
5. Others				

**23. Statutory Consenting Powers**

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

**24. Advertising and Consultation**



Have these proposals been advertised to the public?

YES  NO

If **YES**, how and where?

Have the public been invited to submit comments?

YES  NO

If **YES**, to whom and by what closing date?

Have any consultation meetings with the public been arranged?

YES  NO

If **YES**, where and when are these to be held?

## 25. Consultation with Conservation Bodies

Provide details of any consultation with Conservations Bodies, and, if appropriate, include copies of any correspondence with your application.

## 26. Designated Conservation Areas

Are any parts of the proposed project located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the project from the boundary of the nearest conservation area(s)

If appropriate, are any parts of the proposed dredging and/or deposit operations located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the operations from the boundary of the nearest conservation area(s)

## 27. Environmental Assessment

Has an Environmental Impact Assessment (EIA)/Environmental Statement (ES) been undertaken to support any application in respect of the project, your own statutory powers (if applicable) or any other reason?

YES  NO

If **YES**, is a copy of the EIA/ES included with this application?

YES  NO

If the EIA/ES has been undertaken but has not been included with this application, please provide an

explanation below.

Is the EIA/ES available for public inspection?

YES  NO

If **YES**, at what locations:

### Declaration

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

### 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.**

Signature

Date

Name in BLOCK LETTERS

Position within company  
(if appropriate)

**Please check carefully the information you have given and that all the enclosures (including copies) have been included.**

## Application Check List

### 1. Electronic Application

- Completed application form **x 1**
- Project drawings **x 1**
- Method Statement **x 1**
- Maps/Charts **x 1**
- Additional environmental information, eg. Photographs, Environmental Impact Assessment etc (if required) **x 1**
- Payment (signed cheque or BACS details)


### 2. Non-electronic Application

- Completed, signed application form **x 7**
- Project drawings **x 7**
- Method Statement **x 7**
- Maps/Charts **x 7**
- Additional information, eg. photographs, Environmental Impact Assessment etc (if required) **x 7 (dependent on size and relevance to consultees)**
- Payment (signed cheque or BACS details)


## **Information provided in response to questions with insufficient space for printing**

### **1. Project Title and Payment Details**

The Forthwind Test Site. Installation and operation of 2 offshore wind turbine on the northern shore of the Firth of Forth at Methil, Scotland.

### **5c Types of Works Proposed – Dredging / Drilling Operations**

Pilling for up to 3 piles per turbine and small scale drilling operations (rock anchors, stabilising rock anchors for pipelines etc.) as part of the General Marine Project – Offshore Wind

### **6. Location of Project (including any temporary deposit locations)**

The Development Footprint Envelope consists of the following:

- Two turbines and sub-structure (foundation and tubular jacket if required) located at Lat / Lon (WGS84) 56°09'30.90"N and 003°00'59.22"W (turbine 1), and Lat /Lon (WGS84) 56°09'52.52"N and 003°00'10.63"W (turbine 2). A 100 m micro-siting allowance from these centre points for the turbines and associated infrastructure is required for the final selection of turbine locations;
- An electricity export cable corridor of up to 121 ha in area, within which cables will be laid in up to 2 trenches measuring not more than 3100 m in length. These will contain the cables that transmit the electricity generated by each turbine to the onshore transformer.

The physical footprint of the Development will be within the parameters detailed in table 3.1 of Chapter 3 - Project Description of the Forthwind Test Site Environment Statement.

### **7. Method Statement**

For detail, please refer to Section 3.6 of the Forthwind Test Site Environmental Statement (ES) submitted with this marine licence application which includes a detailed project description (including expected installation methods) and environmental impact assessment results.

The sequence of works undertaken to install the two offshore wind turbines is detailed in Chapter 3 "Project Description" of the ES and includes:

From April to November 2017 - preparation work, foundation installation, export cable installation, turbine installation, and commissioning.

Forthwind Ltd. is committed to decommissioning the wind turbines at the end of their operational life and removing all equipment from the site to a standard meeting industry best practice at the time. A Decommissioning Programme will be prepared & agreed with DECC under section 105 – 114 of the Energy Act (2004).

### **14. Method Statement for Dredging / Drilling Operations**

The installation contractor is still to be appointed and they are not anticipated to be appointed until financial close is reached on the project, which is dependent on project consent.

For detail, please refer to Section 3.6 of the Forthwind Test Site Environmental Statement (ES) submitted with this marine licence application which includes a detailed project description (including expected installation methods) and environmental impact assessment results.

The sequence of works undertaken to install the two offshore wind turbines is detailed in Chapter 3 "Project Description" of the ES and includes:

From April to November 2017 - preparation work, foundation installation, export cable installation, turbine installation, and commissioning.

Forthwind Ltd. is committed to decommissioning the wind turbines at the end of their operational life and removing all equipment from the site to a standard meeting industry best practice at the time. A Decommissioning Programme will be prepared & agreed with DECC under section 105 – 114 of the Energy Act (2004).

## **16. Details of Areas to be Dredged / Drilled**

### *Turbine 1*

National Grid reference (NGR) 336964, 696677

Lat / Lon (WGS84) 56°09'30.90"N and 003°00'59.22"W

### *Turbine 2*

National Grid reference (NGR) 337812, 697333

Lat / Lon (WGS84) 56°09'52.52"N and 003°00'10.63"W

### *Cable Route – Turbine 1*

Within Cable Corridor:

NGR: 336689E 698346N; Lat/Lon: 56°10'24.74"N and 003°01'16.59"W

NGR: 337911E 697328N; Lat/Lon: 56°09'52.40"N and 003°00'04.89"W

NGR: 336916E 696589N; Lat/Lon: 56°09'28.03"N and 003°01'01.93"W

NGR: 336546E 698224N; Lat/Lon: 56°10'20.73"N and 003°01'24.77"W

### *Cable Route – Turbine 2*

Within Cable Corridor:

NGR: 336689E 698346N; Lat/Lon: 56°10'24.74"N and 003°01'16.59"W

NGR: 337911E 697328N; Lat/Lon: 56°09'52.40"N and 003°00'04.89"W

NGR: 336916E 696589N; Lat/Lon: 56°09'28.03"N and 003°01'01.93"W

NGR: 336546E 698224N; Lat/Lon: 56°10'20.73"N and 003°01'24.77"W

## **24. Advertising and Consultation**

1. Ongoing consultation with local stakeholders and key consultees

2. Distribution of the Scoping Report to consultees

3. A pre-application consultation event was held at The Hydrogen Office, Ajax Way, Methil Docks, KY8 3RS between the hours of 10:00 am and 8:00 pm on Thursday 26th June 2014. The event was advertised in advance in the Fife Free Press (on the 12 and 19 June 2014) and the East Fife Mail (on the 25 June 2014), both of which circulate in the vicinity of the Development.

Yes, comments and questions relating to any aspect of the Development were invited from all visitors who attended the Public consultation event in June 2014. The Consultation Event Public Notice invited persons wishing to provide comments on the proposed development to do so by writing to [scott.harper@2-benergy.com](mailto:scott.harper@2-benergy.com) or by post to Forthwind Ltd. Quayside House, Dock Road, Methil Docks, KY8 3 SR, not later than Friday 8th August 2014, although no written questions have been put forward to date.

## **25. Consultation with Conservation Bodies**

MS-LOT confirmed in June 2013 that the previously received scoping response was still valid in respect of the Development during consultation on the Forthwind Test Site Environment Statement. Following the decision to progress with an application for the Development in 2014 however, a further consultation request was submitted to Marine Scotland in July 2014 in order to ensure that key responses were up to date, particularly in relation to statutory nature conservation bodies. Responses were received from MS-LOT, SNH, Marine Scotland Science, RSPB, Historic Scotland, Fife Council and the Northern Lighthouse Board and these have been incorporated into this ES. In addition, ongoing consultation has been undertaken with local fisheries interests and key users of the sea in the area around the Development to ensure that the design and layout can be accommodated within the existing uses of the marine area.

Table 2.1 of the Forthwind Ltd Test Site Environment Statement provides an overview of the issues raised by the consultees in response to the 2010 scoping request and to the additional consultation undertaken in 2014. The detail of the individual responses received from the consultees during the EIA process, including at the scoping stage and consultation undertaken outwith these formal exercises, is set out in the relevant technical chapters of the Environment Statement.

In addition a Scoping "gap analysis" provided as part of the Marine Scotland 'gate check review' process details how each consultee response has been addressed within the development.

## **26. Designated Conservation Areas**

Nearest Conservation Area - Firth of Forth SPA, RAMSAR, SSSI sites adjacent to terrestrial parts of Development and 1.2 km from turbine location

Approximate distance of the operations from the boundary of the nearest conservation area - The cable corridor is within the Firth of Forth conservation areas identified above.