



T: +44 (0)300 244 5046 (Please note, this line is not active during COVID-19) E: ms.marinelicensing@gov.scot

Conservation (Natural Habitats, &c.) Regulations 1994 (as amended)

Application for a licence to disturb or injure marine European protected species (EPS) for one of the following purposes

- For preserving public health or public safety
- For an imperative reason of overriding public interest (including those of a social or economic nature and beneficial consequences of primary importance for the environment)
- For preventing the spread of disease
- For preventing serious damage to livestock, foodstuffs for livestock, crops,vegetables, fruit, growing timber or any other form of property, or to fisheries.

Please use this application form if you wish to undertake works/activities that would affect European protected species in the Scottish inshore marine area (0 – 12nm).

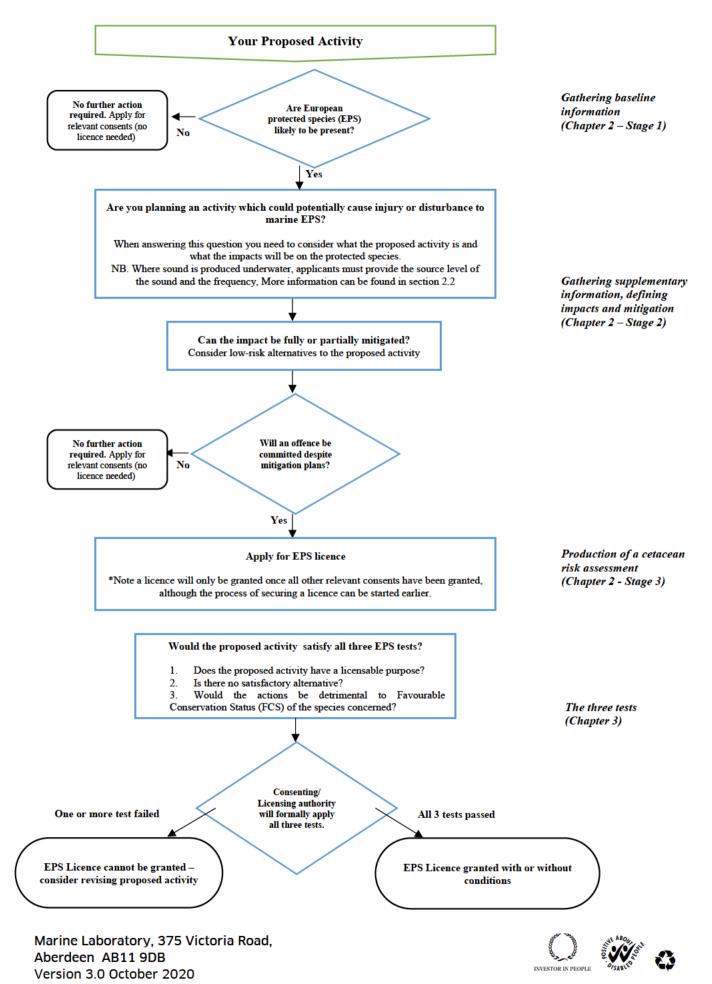
IMPORTANT: Before completing this form, please read these notes carefully

Applicants are advised to read these notes in conjunction with <u>The Protection of Marine European Protected</u> <u>Species from injury and disturbance:Guidance for Scottish Inshore Waters</u>. If further clarification is needed please contact Marine Scotland Licensing Operations Team (MS-LOT) via email: <u>ms.marinelicensing@gov.scot</u>



Flowchart showing the decision-making process

Please refer to the relevant chapter of the guidance



Please complete all relevant sections of the form.

Please ensure that you answer questions fully in order to avoid delays.

The completed application should be sent to Marine Scotland Licensing Operations Team (MS-LOT) at the address below or emailed to <u>ms.marinelicensing@gov.scot</u>.

We will not process unsigned application forms.

Please ensure that you provide appropriate information to support your application. Applicants can provide this supporting information in the form of an EPS Risk Assessment. Guidance can be found in <u>The Protection of Marine European Protected Species from injury and disturbance:Guidance for Scottish Inshore</u> Waters. Please contact MS-LOT if you wish to discuss the level of supporting documentation required for your application. Failure to provide sufficient supporting information may delay the consultation and licensing process.

MS-LOT will aim to determine whether a licence should be issued within 6 to 8 weeks of acceptance of a **completed application**. However, please note that for large scale or complex projects, the determination period may be longer.

If you experience any problems filling in this form, please contact MS-LOT.

Please use this application form if you wish to undertake works/activities that would affect European protected species in the Scottish marine area (0 - 12nm).

Please note that European protected species are also protected in the offshore marine environment (between 12 and 200 nautical miles). Species in this area are protected under The Conservation of Offshore Marine Habitats and Species Regulations 2017.

Do not use this form if your application relates to scientific, research, conservation or educational purposes. Please contact NatureScot (NatureScot Licensing, Great Glen House, Leachkin Road, Inverness IV3 8NW, Telephone 01463 725000, email <u>licensing@nature.scot</u> or visit <u>their website</u>) for a licence application for these purposes. NatureScot also issues licences for the purposes of marking animals or plants in relation to conservation or introducing them to particular areas for conserving natural habitats, and for protecting zoological or botanical collections.

Before a licence can be granted, it is essential that other relevant licences or consents have been secured for the proposed activity (eg Marine licence).

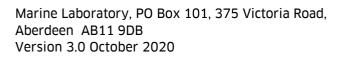
It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Part A Section 1 Personal details

Please provide details of the individual, company or partnership you wish to be named on the licence. The licensee is responsible for ensuring compliance with the licence and its conditions. Under the Conservation (Natural Habitats) Regulations 1994 (as amended) it is an offence to fail to comply with the terms and conditions of a licence.

Section 2 Previous applications

Please provide details of any previous relevant licences.





Part B Section 3

Species

Please provide details of the species that will be affected by the work, the number likely to be affected and a description of how this number was determined. This information can be described in detail in your supporting information. You will need to provide detailed proposals (to be included in the 'Supporting information') of all the mitigation work that you plan to carry out which will affect European protected species.

Location

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 cables or 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.

Section 4 Consideration of designated sites

Please provide details of any designated sites affected by your proposals. You are advised to consult NatureScot, or other appropriate regulator, if the work you propose to do affects a Natura site, an MPA or a Site of Special Scientific Interest.

Section 5 Activities to be licensed

Please indicate the activities you intend to undertake that would otherwise be unlawful Provide details of the proposed commencement and completion dates of the activities. The licence start date will not be backdated, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action.

It is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

Section 6 Purpose of the licence application

Please indicate the purpose of the licence application, the first of the legal tests. **Please complete the relevant Annex to provide justification for the licensing purpose.** This is the legal basis of the application.

Section 7 Satisfactory alternatives

Please provide your consideration of why there is no satisfactory alternative. This must include all other options that have been evaluated, the alternative sites that were considered by you and why they were rejected (if no other sites were considered, you must provide the reasons why), as well as all alternative methods of carrying out the work and alternatives dates / timings.

In relation to each alternative considered, please provide an explanation of why you consider it to be satisfactory or unsatisfactory. In respect of any alternative sites please provide the location(s) and details of the alternative site(s), or your views on how the activity/proposal might have been achieved differently, and any other helpful information; e.g., pros and cons of alternative sites, or whether there is likely to be demand for all suitable sites to be used to meet an identified need. Please explain how this conclusion was reached.



Section 8 Summary of the planning / licensing position

Detail all consents and licences required for the proposed project and indicate those that you have applied for or received.

Section 9 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. This includes use of seismic airguns, other geophysical surveys (<10kHz), pile driving, explosives and certain acoustic deterrent devices. This monitoring requires completion of a form at the application stage (giving details of the proposed work) as well as completion of a 'close-out' form (giving details of the actual dates and locations where the activities occurred). The close-out form should be returned within 12 weeks of completing 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 are available at: https://mnr.jncc.gov.uk//

Part D Section 10 Declaration and warning

It is important to read the Declaration and Warning sections before signing the application form.

Site visits and compliance checks

It is possible that the licensing authority may undertake a site visit prior to the issue of a licence. The majority of site visits will be arranged several days in advance and will be conducted in the presence of the licensee (or applicant) however there may be occasions when a site visit will be made at short notice.

Licensees should be aware that they may receive a request for a site visit by the licensing authority, or a person authorised by the licensing authority, to assess site conditions against the conditions of the licence. It is essential that if any of the agreed mitigation measures contained in the application and supporting information are changed for any reason, the licensing authority is informed as soon as possible.

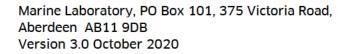
The Licensing authority will monitor compliance with licences issued based on the information included in licence reports.

Where to seek further information

Further information can be obtained from Licensing Operations Team at the address below. If your proposal relates to one of the purposes for which NatureScot is the licensing authority, please contact your local office of NatureScot.

Licensing Operations Team Marine Scotland 375 Victoria Road Aberdeen AB11 9DB

Email: MS.marinelicensing@gov.scot





<u>Disclaimer</u>

While every effort has been made to ensure the information contained in this document is accurate, nothing in this document should be taken to replace the current legislation in force at this time. You are advised to obtain qualified legal advice in relation to your rights and responsibilities under the 1994 Regulations and other legislation.



Part A. The Applicant: Personal details

These questions relate to the person who will be the **named licensee**. The licence can be issued to an individual or a company or a partnership and the licensee will be responsible for ensuring compliance with the licence and the conditions of the licence. Under the Conservation (Natural Habitats) Regulations 1994 (as amended) it is an offence to fail to comply with any condition imposed by a licence.

Title: Dr	Forename(s): David Simon Surname: Forrest					
Company Name:	lova Innovation Ltd					
Business Title (if Appropria	^{ate):} Nova Innovation Ltd					
Address:	45 Timber Bush Edinburgh EH6 6QH					
Tel no. (inc. dialling code):	0131 241 2020					
Email address:	simon.forrest@novainnovation.com					
2. The Applicant: F	revious applications:					
Have you previously held	a wildlife licence issued in the UK? (please tick as appropriate)					
Yes √ No (If yes, plea	se complete below, if no, please go to Part B)					
Who issued the licence?	Marine Scotland Licensing Operations Team					
Licence number (most rec	ent licence) MS EPS 04/2020/0					
Year in which the licence v	vas issued. 2020					
What species were covere	Harbour porpoise Phocoena phocoena Risso s dolphin Grampus griseus Killer whale Orca orcinus Minke whale Balaenoptera acutorostrata Humpback whale Megaptera novaeangliae					
What activity was covered by the licence e.g. disturb, injure? Disturbance of the above named species as a result of the installation of three additional 100kW tidal turbines and associated infrastructure including the subsequent relocation of these turbines and associated infrastructure at the Shetland Tidal Array Bluemull Sound Note that one of these turbines was deployed in August 2020						



Part B. The Application

3. Species

(a) Please indicate which species is / are affected by the proposed works.

Common name(s):	Harbour porpoise Risso's dolphin Killer whale Minke whale Humpback whale
Scientific name(s)	Phocoena phocoena Grampus griseus Orca orcinus Balaenoptera acutorostrata Megaptera novaeangliae
(b) How many i	ndividual animals will be affected by licensed work?

(b) How many individual animals will be affected by licensed work?

The numbers of individuals likely to be disturbed is estimated to be very to extremely low for all species. For full details refer to Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment, Section 6 (Numbers of animals likely to be disturbed).

Please provide a description of how this number was calculated / estimated

The estimate is based on Nova Innovation's long-term environmental monitoring data, key life history characteristics of the species of EPS, and the nature of the activities, including scale, duration and methodologies. For full details refer to Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment, Section 6 (Numbers of animals likely to be disturbed).

(c) Location of proposed licensed action

Latitude and Longitude co-ordinates (WGS84) defining the extent of the project. Please continue on a separate sheet if necessary.

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6	0	0	4	1	9	0	0	۴N		0	0	0	•	5	8	8	4	7	ťΨ
6	0	0	4	2	0	5	2	۴N		0	0	0	•	5	9	1	5	0	ťΨ
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		0						۴N					0						ťΨ



Provide a brief description of the proposed activity and the methods to be used.
Detailed information should be included in your Supporting Information
Please provide details of the source levels and frequencies of underwater noise if relevant

The proposed activities will comprise the following key operations:

- 1. Installation of turbines 5 and 6 substructures and nacelles.
- 2. Installation of turbines 5 and 6 export cables.
- 3. Installation of a subsea hub, to be used in conjunction with turbines 5 & 6.
- 4. Reconfiguration of turbines 4 to 6 within the array.

For full details refer to Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment, Sections 2 (The proposed activities) and 4 (Activities likely to cause disturbance).

(e) Briefly state how you will minimise the impact of your proposed work on European protected species. Detailed information should be included in your Supporting Information.

A range of measures will minimise the potential for the proposed works to result in disturbance to EPS, including:

- 1. Limiting the scale and duration of activities.
- 2. Utilising vessels and methods that minimise disturbance.
- 3. Avoiding the use of underwater drilling or other similarly noisy activities.
- 4. Adherence to the Scottish Marine Wildlife Watching Code at all times throughout operations.

5. Ongoing use of environmental monitoring to ensure that measures are effective and inform the need for further interventions if necessary.

For full details refer to Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment, Section 7 (Mitigation measures).

4. Consideration of designated sites

Designated Areas: National Nature Reserves (NNR), Sites of Specific Scientific Interest (SSSI), Special Protection Area (SPA), Special Areas of Conservation (SAC), Ramsar sites, Marine Protected Areas (MPA). Information on designated sites is available on NatureScot website https://sitelink.nature.scot/home or from your local NatureScot office.

(a) Will any part of the proposed activity fall within /or adjacent to an area covered by a designated site eg SSSI, SAC, MPA?

Yes 🔳 No 🗌

(b) Please give the name of the designated site(s) and either the outcome of your consultations or the reason why you have not consulted (see note 4). Please enclose any relevant correspondence.

The proposed activities are within Bluemull and Colegrave Sounds proposed Special Protection Area (pSPA) for which the qualifying feature is breeding red throated diver (Gavia stellata) The proposed activity is also within the foraging range of the harbour seal (Phoca vitulina) feature of the Yell Sound Coast SAC and SSS Other designated sites considered in Nova's Environmental Assessment produced in 2018 in support of its application for a marine licence for the Shetland Tidal Array (as extended) include Hermaness Saxa Ford and Valla Field SPA and Hermaness SSS; Saxa Vord SSS and Valla Field SSS; Fetlar SPA; Foula SPA; Mousa SPA; Noss SPA; Otterswick and Graveland SPA; Fair sle SPA; Sule Skerry and Sule Stack SPA; North Rona and Suia Sgeir SPA and St Kilda SPA

Full details of the consideration of designated sites including Nova's Environmental Assessment for the Project and Marine Scotland's Appropriate Assessment carried out in 2018 as part of its marine licence determination process are provided in the Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment Section 8 (Consideration of designated sites) and supporting Annexes

Nova did not carry out specific consultation in support of the current EPS licence application since the consultation carried out in support of the marine licence application for the Project remain valid Details of the marine licence consultation and responses from SNH (now NatureScot) and Whale and Dolphin Conservation are provided in Section 8 of the EPS risk assessment and supporting Annexes



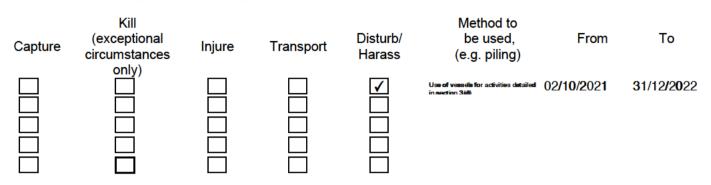
5. Activities to be Licenced

Proposed Methods

(a) Please complete all relevant columns in the table below to indicate the methods you propose to use, the activity involved and the time period in which you propose to use each method. This information will be used when preparing the licence to cover activities that would otherwise be unlawful, and failure to give full details may result in an inappropriate licence being issued.

Activity to be licensed (please tick)

Time period



6. Purposes of the licence application (tick one box only)

A licence can only be issued if 3 specific legal tests are met. The section below relates to the first of these tests. The options shown are taken from the **Conservation (Natural Habitats, &c.) Regulations 1994 (as amended).**

Please indicate which purpose relates to the proposed works

(a)	Preserving public hea	Ith or public safety	(we will require	evidence that there is	a risk
to publ	ic health or public safet	y e.g. an imminen	t risk of flooding	Regulation 44(2)(e)	

Complete Annex A

(b) Imperative reasons of overriding public interest (*including those of a social or economic nature and beneficial consequences of primary importance for the environment*) Regulation 44(2)(e)

Complete Annex B

(c) Preventing the spread of disease Regulation 44(2)(f)

Complete Annex C

(d) Preventing serious damage to livestock, foodstuffs for livestock, crops, vegetables, fruit, growing timber or any other form of property, or to fisheries Regulation 44(2)(g).

Complete Annex D

(e) If you wish to use acoustic deterrent devices to protect fish farm sites in Scottish waters, you must also complete Annex E.

Complete Annex E

Marine Laboratory, 375 Victoria Road, Aberdeen AB11 9DB Version 3.0 October 2020

INVESTOR IN PEOPLE

7. Satisfactory alternatives

This relates to the second of the legal tests which must be satisfied. Please explain why there is no satisfactory alternative to carrying out the proposed work affecting the species. You must describe all possible alternatives which were considered and why they were considered unsuitable. You must also consider the option of not undertaking the work. It is not acceptable to state that 'there is no alternative'. Please continue on a separate sheet if necessary.

Full details of the consideration of satisfactory alternatives are provided in Section 9 of the Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment.

8. Other Licences / Consents

Please detail below all licences / consents you have applied for or received. Before a licence can be granted, it is essential that other relevant licences or consents have been secured for the proposed activity (eg Marine licence).

Type of Licence / Consent (e.g. Marine Licence, Local Planing Authority, Local Works Licence)	Date Applied for	Reference no.	Date of issue of licence / consent
Marine Licence (variation application)	17/12/2020	MS-00009110	12/02/2021
Shetland Islands Council Works Licence	24/09/2018	2018/02/WL	07/12/2018



9. Noise Monitoring

Please indicate if any of the following noise generating activities will be taking place during the operations:

Use of explosives	
Piling	
Use of Acoustic Deterrent Devices	
Survey equipment operating in the range 10 Hz – 10kHz	Í

If you have ticked any of the above boxes please complete a Proposed Activity form in the Marine Noise Registry at: <u>https://mnr.jncc.gov.uk/.</u>

Please note the form must only be completed once for each activity. If you have already completed a form for this activity (eg through the marine licensing process) please give details.

Nova Innovation Ltd

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

Have you remembered to enclose Supporting Information with your application, as described in the accompanying guidance? Please check

Completed Application form

Completed Annex

Map / Chart

Correct co-ordinates

Additional information / EPS risk assessment





Part C. Declarations

10. I have read and understand the guidance provided in this application form. I declare that the particulars given are correct to the best of my knowledge and belief, and I apply for a licence in accordance with these particulars.

I authorise employees or representatives of the Scottish Ministers to enter the site which is subject to this application for the purpose of monitoring and inspecting the permitted works.

Warning

Under the Conservation (Natural Habitats, &c.) Regulations 1994 (as amended) it is an offence to fail to comply with the conditions imposed by a licence. The licensee is responsible for ensuring compliance with the licence.

The Scottish Ministers can modify or revoke a licence at any time, provided there are good reasons. Any licence that may be issued is likely to be revoked immediately if it is discovered that false information was provided and resulted in the issue of a licence.

Under the Conservation (Natural Habitats, &c.) Regulations 1994, any person who in order to obtain a licence knowingly or recklessly makes a statement or representation, or furnishes a document or information which is false in a material particular, shall be guilty of an offence and may be liable to criminal prosecution. Any person found guilty of such offences is liable on summary conviction to imprisonment for a term not exceeding six months or to a fine not exceeding level 5 on the standard scale, or to both imprisonment and a fine.

Note: Previous convictions for wildlife offences will be taken into account and in some cases may mean that the Scottish Ministers do not consider it appropriate to grant a licence.

Signature of the Applicant		Date	13/08/2021
(The person named at part 1)			
Name in BLOCK LETTERS	DR DAVID SIMON FORREST		

Note - If signing on behalf of a company, please append you signature with "on behalf of Company Name".

The completed application should be signed and sent to Marine Scotland Licensing Operations Team (MS-LOT) at the address below or emailed to MS.Marinelicensing@gov.scot

Please remember to include all supporting information.

Licensing Operations Team Marine Scotland EPS Division 375 Victoria Road Aberdeen AB11 9DB

Disclaimer

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<u>Annex A</u>

Only to be completed if you selected for Preserving public health or public safety in Question 6 of the application form

Please complete all questions

Give details of the risk to public health or safety

How has the risk been identified. Please give details of any expert advice received.

How will the proposed activity address the identified risk



Annex B

Only to be completed if you selected for *Imperative reasons* of overriding public interest (including those of a social or economic nature and beneficial consequences of primary importance for the environment) in Question 6 of the application form

Please complete all questions

What benefits will be provided by the proposed activity? Give details and indicate if they are social, economic or environmental. Please indicate if the benefits are short or long term.

Full details of benefits that will be provided by the proposed activity are provided in Section 10 of the Shetland Tidal Array European Protected Species & Basking Shark Risk Assessment (Case for Imperative Reasons of Overriding Public Interest).

What public interest will be served? Who will benefit from the proposed activity? Does the proposed activity address a need?

The Climate Change Act 2019 commits Scotland to net-zero emissions of all greenhouse gases by 2045 to avoid the globally catastrophic effects of climate change. In 2020 the Scottish Government published an update to Scotland's 2018-2032 Climate Change Plan setting out the pathway to achieving this target. This highlighted government's continued support for the Scottish tidal energy sector and its role in achieving net zero, while also creating high quality jobs, contributing to the green recovery from the Covid-19 pandemic.

Why is it imperative the proposed activity goes ahead?

The proposed activities will enable Nova to build on the success of the operating 400 kW Shetland Tidal Array and further progress the development of learning and the knowledge base on key engineering and environmental aspects of tidal energy. This will continue to build and strengthen the evidence base to de-risk future larger-scale tidal energy projects. It will also enable the further development and dissemination of good practice in engineering, and environmental assessment and management, delivering wider benefits to the whole marine renewable energy sector.

Does the proposed activity support any local regional or national policies? Please give details. Are you fulfilling a statutory role?

The proposed activity supports the delivery of Scotland's commitment, set out in the Climate Change Act 2019, to reach net-zero emissions of all greenhouse gases by 2045.





Annex C

Only to be completed if you selected for *Preventing the spread of disease* in Question 6 of the application form

Please complete all questions

What disease(s) is / are at risk of being spread if the proposed activity does not go ahead? Please give details of any expert advice received.

How will the proposed activity prevent the spread of disease? Please give details of any expert advice received.



Annex D

Only to be completed if you selected for *Preventing serious damage to livestock, foodstuffs for livestock, crops, vegetables, fruit, growing timber or any other form of property, or to fisheries in Question 6 of the application form.*

Please complete all questions

What serious damage has occurred or will occur if the proposed activity does not go ahead. Please give details of any expert advice received.

How will the proposed activity prevent serious damage? Please give details of any expert advice received.



<u>Annex E</u>

Only to be completed if you intend to operate ADDs at marine fish farm sites in Scotland Please complete a copy of this annex for <u>each individual site</u> included on your application Please complete all questions

Site name and ID (FS number)

Device Type 1

Device Details

Device name (and version if relevant)

Number of devices proposed

Source level of device (rms and SPLpeak)

Typical frequency content





Please give details of the proposed duty cycle (or available settings) including the system du	uty
cycle	

Duration of use of device (e.g. hours per 24 hour period)

Time of use (e.g particular time of day or time of year)

If multiple devices of this type are to be used, please give details of numbers to be deployed and locations in relation to the site.



Management of ADD Use

Please give details of the cues/triggers and the decision process to activate ADDs. These cues / triggers should be specific and measurable and should relate to predation events by seals rather than presence of seals in the area.

Give details of how ADD use is to be reviewed



Give details of ADD deployment plans and any relevant planning conditions relating to ADD use

Device type 2

Device details

Device name (and version if relevant)





Source level of device (rms and SPLpeak)

Typical frequency content

How is the device triggered (please state if the device operates constantly or if there is no triggering method)

Please give details of the proposed duty cycle (or available settings) including the system duty cycle

Duration of use of device (e.g. hours per 24 hour period)



If multiple devices of this type are to be used, please give details of numbers to be deployed and locations in relation to the site.

Management of ADD Use

Please give details of the cues/triggers and the decision process to activate ADDs. These cues / triggers should be specific and measurable and should relate to predation events by seals rather than presence of seals in the area.





Give details of criteria for deactivation or removal of ADDs (including if they appear to be ineffective)



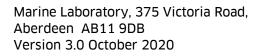
Device type 3

Device Details

Device name (and version if relevant)

Number of devices proposed

Source level of device (rms and SPLpeak)





How is the device triggered (please state if the device operates constantly or if there is no triggering method)

Please give details of the proposed duty cycle (or available settings) including the system duty cycle

Duration of use of device (e.g. hours per 24 hour period)

Time of use (e.g particular time of day or time of year)



If multiple devices of this type are to be used, please give details of numbers to be deployed and locations in relation to the site.

Management of ADD Use

Please give details of the cues/triggers and the decision process to activate ADDs. These cues / triggers should be specific and measurable and should relate to predation events by seals rather than presence of seals in the area.



Give details of criteria for deactivation or removal of ADDs (including if they appear to be ineffective)

Give details of ADD deployment plans and any relevant planning conditions relating to ADD use

Please use additional sheets for further device types Marine Laboratory, 375 Victoria Road,

