

Marine and Coastal Access Act 2009 (Part 4 Marine Licensing)

Application for Marine Construction Works/Land Reclamation/Beach Replenishment in the Territorial Sea and UK Controlled Waters Adjacent to Northern Ireland

(Construction schemes including coast defences, beneficial uses of dredged materials, jetties, land reclamation, outfall pipes etc.)

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

Under Part 4 (Chapter 5) of the Marine and Coastal Access Act 2009, information contained within or provided in support of this application will be placed on the public register unless DOE (as the licensing authority) approves the applicant's reasons for withholding all or part thereof.

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 YES NO
- b) would prejudice to an unreasonable degree your or some other person's commercial interests or those of a third party? 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

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

This is for a proposal to trial a propagating/harvesting method for native kelp species *digitata*, *alaria* and *laninaria saccharina* of the coast in **Church Bay Rathlin Island**.

The intention will be to expand into growing kelp in the Autumn/winter and spring of 2014. To do this we will firstly buy spools of baby kelp plants from the Ryan Institute and NUIG. These spools will be grown from spore ripe fronds of kelps sourced on Rathlin Island. These would be planted out in Autumn 2013. The intention is then to build our own lab and train technicians to operate the lab by summer 2014.

2. Applicant Details

Title

Ms

Initials

B F

Surname

McFaul

Address:

Benji McFaul, Church Bay, Rathlin Island, Ballycastle, Co Antrim. BT546RT

Name of contact:
(if different from above)

Kate Burns

Telephone number:
(inc. code)

07925025211

Email address:

islanderseafood@gmail.com

3. Agent Details (if appropriate)

Title Initials Surname

Trading Title
(If different from above)

Business Address:

Name of contact:
(if different from above)

Position within company
(if appropriate)

Telephone number:
(inc. code)

Email address:

Company Registration No.

4. Duration of Project

Expected 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 the High Water Mean Spring Tide Mark

Rope purchase – 20 coils 14 ml rope at £90 £1800
Anchors – 240 @ £10 each £2400
Buoys 60@ £25 each £1500
Labour and boat costs £2000

Total £7,700

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

- I. The kelp will be grown on 500 metre lengths of ropes
- II. Ropes will be 12 – 14mm polypropylene
- III. The rows of ropes will be 5 metres apart
- IV. There will be up to 10 rows
- V. The ropes are submerged 2.5 metres under the water (optimum growing depth) (allows for small vessels to drive over the top of them)
- VI. There are weights every 50 metres to keep the rope at the 2.5 metres depth.
- VII. We could extend in a linear way – 1 kilometre, and go back to 5 rows or preferably in a boxed area.

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

Types of Work Proposed

note -*mariculture*

Coastal/Flood defences:

beach replenishment
shoreline reinforcement
flood defence
sea defence

Slipways:

slipway
causeway
launching ramp

Miscellaneous:

habitat creation/replacement
aquaculture (unless exempted)
sea wall
berms/wave screens
artificial reef
sea-lock

Harbour works:

dock wall/quay/wharf

Navigation works:

lock gates
moorings (unless exempted)
buoy/navigation mark (unless exempted)
training wall/breakwater

Land reclamation:

bunded/piled area
dock infill

Intakes/outfall pipes:

intake/outfall

Cables:

cable/subsea cable

Pipeline maintenance:

pipe/pipeline maintenance

Piers etc.:

bridge supports/bridge foundation
pier
jetty

Bank stabilisation:

Scour protection:

gabion
mattressing

Barrages & island etc.

tidal barrier

barrage
sculpture, statues, fountains etc.
ground investigation works
impoundment
groynes

Sediment manipulation

- ***NB The list doesn't really include an exact item which matches our activities. We have described them as mariculture***

6. Location of Works

This should include either 6 figure Irish Grid Reference (IGR) or Latitude and Longitude co-ordinates (WGS84 to 1 decimal minute) defining the extent of the project.

The coordinates are 55 17.6638 N - 006 13.6107 W 55 17.5709 N - 006 13.6244 W

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

7. Method Statement

The lengths of rope will be anchored between two buoys, with two smaller anchors in the middle to keep the ropes at a minimum depth of 2.5 metres.

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

8. Permanent Deposits

(a) quantity of permanent materials to be deposited below HMWS tidemark:

- Timber (m² or tonnes)none.....
- Iron/Steel (tonnes)none.....
- Plastic/Synthetic (m²)20 coils 14 ml rope
- Silt (m³)none.....
- Sand (m³)none
- Concrete (m³)none...
- Concrete bags/mattresses
(Confirm number, dimensions
& total volume m³)none
- Stone/Rock/Gravel
(size range and volume m³)none

If 'other' please describe below

This installation is the same as about 5 strings of lobster pots or some gill nets

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

(b) for work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the material to be deposited:

- Quantity (tonnes)
- Nature of Material
(e.g. sand, silt, gravel etc.)
- Source:
(if sea dredged please state
location of origin)
- Particle Size

Has the material been chemically analysed? Yes No

If Yes, please include the analysis data with your application.

9. Temporary Deposits

Will there be a need to make any temporary deposits of material below HMWS tidemark during the works

Yes No

(a) quantity of temporary materials to be deposited below HMWS tidemark:

- Timber (m² or tonnes)
- Iron/Steel (tonnes)
- Plastic/Synthetic (m²)
- Silt (m³)
- Sand (m³)
- Concrete (m³)
- Concrete bags/mattresses
(Confirm number, dimensions
& total volume m³)
- Stone/Rock/Gravel
(size range and volume m³)

If 'other' please describe below

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

10. Dredging

Do you intend to apply for a licence to dredge as part of the works?

Yes No

If Yes, please indicate the location
of the dredging and nature of material

11. Disposal of Material at Sea

Do you intend to apply for a licence to dispose at sea material dredged as part of the works?

Yes No

If Yes, please indicate:
Nature and quantity of material
(sand, gravel, silt, clay, rock etc.)

12. Planning

Is this project subject to a planning application?

Yes No

If Yes, attach a copy of environmental statement (if appropriate) and indicate what stage the application for planning permission is at (i.e. approved, awaiting notification, rejected)

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13. Statutory Consenting Powers

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

Yes No

14. Consultation

(a) Have the public been invited to submit comments? **YES** **NO**
If **YES**, how and where?

Through DoE and the Rathlin Community and Development Association

(b) Have any consultation meetings been held? **YES** **NO**
(with the public or other bodies)

The islanders have discussed it. The DoE has also invited other stakeholder groups to comment.
Positives include:

- No visual impact from kelp growing, nothing can be seen on the surface.
- The depth enables small vessels to pass over the top of the kelp ropes and no large vessels will be that close to the shore
- The preferred /suggested location is a naturally abundant kelp growing area and there is virtually no activity on the water in this area (no boats/angling etc.)
- The location is well clear of the suggested 'no activity' Marine Protected Area in O'Byrne Bay
- The McFauls are well known for their commitment to the environment and responsible harvest practice. They will carry these same principles to the kelp growing activities.
- Growing kelp in Galway and Maine have shown that it makes a positive contribution to the marine environment, with kelp forests providing enhanced habitat for a number of kelp loving species.
- This project could make a substantial contribution to the future of the Rathlin Island economy, and build a new environmentally sustainable business activity based on ancient traditions.
- There is an opportunity to use the kelp growing activity for research and educational purposes. Ocean Veg Ireland intend to contact both Northern Ireland Universities to see if there would be such an interest. It may also have a research value for the Environment and Heritage Agency.

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

15. Consultation with Conservation Bodies

Please provide details of any consultation that has taken place with NIEA Natural Heritage and, if appropriate, include copies of any correspondence with your application.

RSPB, the National Trust and the Environment and Heritage Service

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

16. Designated Conservation Areas

Are any parts of the proposed work located within the boundaries of a designated conservation area? YES NO

If **No**, please indicate approximate distance of the disposal operation from the nearest designated conservation area.

 kms

17. Environmental Assessment

Has an environmental assessment been undertaken to support any application in respect of the works, your own statutory powers (if applicable) or any other reason?

YES NO

If **YES**, is a copy of the assessment included with this application?

YES NO

If the assessment has been undertaken but has not been included with the application, please provide an explanation below.

n/a

Is the environmental assessment available for public inspection?

YES

NO

If YES at what locations:

n/a

I declare that the information given in this form and related papers is to the best of my knowledge and belief 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 of applicant:
(or agent acting on behalf of applicant)

Date:

Name (Block Letters):

Position within company:

(if applicable)

PLEASE CHECK CAREFULLY THE INFORMATION YOU HAVE GIVEN AND THAT ALL ENCLOSURES (INCLUDING COPIES) HAVE BEEN INCLUDED

Application Checklist

- **Completed application form**
- **Project drawings**
- **Method statement**
- **Maps/charts**
- **Additional environmental information e.g. photographs, environmental impact assessment etc.**
- **Payment**

