

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

Marine Licensing

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 Marine Licensing Guidance document. However it may be that these notes do not fully cover all the questions that you may have. If further clarification is needed please telephone us on

028 90569247 or email

MarineLicensingTeam@doeni.gov.uk

For fees categories please see Marine Licensing Fees Addendum

For further Guidance please refer to Marine Licensing Guidance for Applicants

EXPLANATORY NOTES

2. Applicant

The person, company or organisation making the application. (The licensee(s) may be any of the following, the contractor actually carrying out the construction work, the applicant and possibly other bodies involved).

3. Agent

Any person, company or organisation acting on behalf of the applicant. They may be acting under contract (or other agreement) on behalf of any party listed in the answer to question 2, and have 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

Details of the proposed commencement and completion dates of the works.

A licence is normally valid for 1 calendar year or the duration of the works (whichever is longer) but not normally exceeding 3 years. After this period, it will be necessary for licence holders to re-apply for a further licence to continue any ongoing works. 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 cover only works taking place below the tidal level of Mean High Water Springs (MHWS) and should take into consideration the cost of materials, labour, fees etc.
- (b) Where the project is expected to take longer than 1 calendar year, this description must detail which elements of work are to be undertaken in the first 12 months, with an outline of the schedule for each further 12 month period of work. (The method of work etc. should be described in the answer to question 7.)
- (c) Select the options which most appropriately describe the type of work proposed. Where the project involves a number of elements, please tick each relevant box.

6. Location of Works

Include a list of the latitude and longitude co-ordinates of the boundary points of the proposed project. 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.

Latitude and Longitude: For positions read from charts of 1:25,000 scale or smaller, the format should be e.g. **55° 55'.5N 2° 22'.2W**. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If appropriate, map co-ordinates from the Irish Grid used by the Ordnance Survey Northern Ireland may be used, to a 6 figure grid reference.

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, DoE Marine Division requires the following to be provided with the completed application form:

- A suitably scaled extract from 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 works in relation to the surrounding area;
 - Latitude and longitude (or 6 figure IGR) co-ordinates defining the area of operation;
 - The level of Mean High Water Springs (MHWS)
 - Any adjacent Special Area of Conservation (SAC), Area of Special Scientific Interest (ASSI), Special Protection Area (SPA)/RAMSAR or similar conservation area boundary.

DoE Marine Division will require copies of all documents to be provided for dissemination to others as part of the consultation process. Normally ten copies of the maps/drawings will be required, if there are ancillary copies required, DoE Marine Division will advise the applicant accordingly. 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.**

Alternatively maps/drawings can be sent electronically by email.

- **Sewer outfalls, discharge pipes for storm overflow and industrial waste etc.** The size and description of the pipe should be shown on the longitudinal sections and also details of any 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 should 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 should be stated.

- **Tunnels under tidal waters:** the longitudinal section of the tunnel should show the distances between the bed of the river or estuary and the top of the tunnel. Cross-sections should 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:** catenaries must be supplied in addition to the site plan showing the minimum clearance of the cable at MHWS and the electrical clearance allowed.
- **Marine Aquaculture:** proposals for fish farming and shellfish growing are subject to different procedures (refer to The Marine Licensing (Exempted Activities) Order (Northern Ireland) 2011).

The applicant should note that if the drawings/plans are subject to copyright, **it is the responsibility of the applicant to obtain the 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 that may be required below MHWS during the works, and the ultimate fate of the structure and material used in its construction. Details of these structures will be included in any licence that may be issued.

Proposed measures to ensure the marine environment is adequately safeguarded during the work should also be described (e.g. the method to be adopted to ensure that the loss of fine grained material is minimised during construction), as should those taken to minimise any interference with other uses of the sea or foreshore.

8. Permanent Deposits

- (a) Tick 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 of the materials to be placed below MHWS are to be brought to the site by sea, give details of the material, e.g. clean rock, and average particle size. Also indicate the vessels to be used, a chart showing the proposed vessel route to the site of the works and details of any trans-shipment areas i.e. where material may be off-loaded to smaller vessels or barges for transport inshore to the site of the works.
- (c) Where the proposed works involve beach replenishment or land reclamation, additional information is required about the material to be deposited and method of delivery. The description of material must include details of its chemical quality. Where the material has not been chemically analysed, DoE Marine

Division may request representative samples for analysis or require the applicant to arrange for analyses to be undertaken before the licence can be determined.

9. Temporary Deposits

If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (Latitude/Longitude) 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, DoE Marine Division will include on the document details of any area that has been approved as a temporary deposit site.

10. Dredging

Indicate whether you are proposing to dredge as part of the works. A separate section of the Marine Licence may be required. The granting of the construction section of the Marine Licence does not imply that the dredging section of the Marine Licence will also be granted, as different assessment criteria are used to determine each type of application.

11. Disposal of material at sea

Indicate whether you are proposing to dispose of any excess material arising from the construction work at sea. A separate section of the Marine Licence may be required. The granting of the construction section of the Marine Licence does not imply that the sea disposal section of the Marine Licence will also be granted, as different assessment criteria are used to determine each type of application.

12. Planning

If the application is subject to planning permission, please give relevant details, including planning reference number, if planning has been approved/rejected and attached a copy of the environmental statement if appropriate.

13. Statutory Consenting Powers

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

14. Consultation

- (a) Have the public been invited to comment on these proposals? if so to whom and what was the closing date
- (b) Have any consultation meetings been held with the public/other bodies? If so where and when?

15. Consultation with Conservation Bodies

Consenting authorities have a duty to ensure that any works will not have a significant adverse environmental impact, particularly upon designated conservation areas (e.g. ASSIs/SAC, SPA/RAMSAR sites etc) listed under The Conservation (Natural Habitats, etc.) (Amendment) Regulations (Northern Ireland) 2007. If the applicant (particularly if they have statutory powers for consenting aspects of these works) has already been in consultation with the appropriate nature conservation body – NIEA, Natural Heritage Directorate, please supply any response that they may have given.

Any application for beach replenishment works should be cross checked as to whether the proposed site is a designated bathing water site and if so, ideally all physical works should be done outwith the Bathing Water Season (1st June to 15th September). Further guidance on the Bathing waters Directive (76/160/EEC) can be obtained from <http://www.ni-environment.gov.uk/water-home/quality/bathingqualityni.htm>

In addition, guidance can be obtained from 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.

16. Designated Conservation Areas

Indicate whether the proposed works are located within or close to the boundaries of a conservation area such as an ASSI, SAC, SPA or Ramsar Site.

17. Environmental Assessment

Please indicate whether any environmental assessments have been carried out in respect of the proposed works, 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 if and where a copy has been/ is being made available for public inspection.

Please ensure that you have:

- Completed all appropriate sections of the application form
- Signed and dated the declaration
- Provided the relevant documentation, charts and continuation sheets and
- Enclosed the correct payment (refer to fees addendum) or paid by means of BACS (if appropriate)

Otherwise your application will be delayed or returned to you

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 Marine Division (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.

The proposal involves the construction of and new ferry ramp, sheet pile wall ferry berthing quay, dredging of the sea bed and associated road access and carpark.

The works are proposed at Rathlin Harbour, Church Bay, Rathlin Island, Co Antrim

2. Applicant Details

Title Initials Surname

Address:

Department for Regional Development
Clarence Court
Adelaide Street
Belfast
BT2 8GB

Name of contact:
(if different from above)

Telephone number:
(inc. code)

02890540325

Email address:

Sean.johnston@drdni.gov.uk

3. Agent Details (if appropriate)

Title	Mr	Initials	CP	Surname	Mallon
Trading Title (if different from above)	Central Procurement Directorate, Clare House, 303 Airport Road West, Belfast.				
Business Address:					
Name of contact: (if different from above)					
Position within company (if appropriate)	Civil Engineer				
Telephone number: (inc. code)	02890816027				
Email address:	Conor.mallon@dfpni.gov.uk				
Company Registration No.	n/a				

4. Duration of Project

Expected Start Date	Mar 2016	Expected Completion Date	Nov 2016
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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

Estimated costs of the works to be executed below MHWs is £0.6m. This will consist of the installation of steel sheet piles, sheet pile wall hardcore backfill, reinforced concrete ferry ramp and supporting walls, rock armour revetments and reinforced concrete retaining walls.

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

When appointed the contractor will be responsible for the provision of the design and construction of a new ferry ramp, berthing pier, hardstanding area and associated bollards, fendering system, lighting and road realignment at Rathlin Island Harbour, Church Bay, Rathlin.

It is anticipated that the 74m long ferry berth will be constructed in a combination of steel sheet piles and insitu reinforced concrete to form a vertical berthing quay with a reinforced concrete deck and wave walls. The ferry ramp will be 34m long x 10m wide constructed in reinforced concrete at a gradient of 1:8 with 50% to be constructed below Mean High Water Springs (MHWS).

For further details, see attached Drawing Nos' 504293NI/PL01, 504293NI/PL02 & 504293NI/PL04, 504293NI/PL05 & MR141029

If necessary please continue on a separate sheet and tick this box
Types of Work Proposed

Coastal/Flood defences:	<ul style="list-style-type: none"> beach replenishment shoreline reinforcement flood defence sea defence
Slipways:	<ul style="list-style-type: none"> slipway causeway launching ramp
Miscellaneous:	<ul style="list-style-type: none"> habitat creation/replacement aquaculture (unless exempted) sea wall berms/wave screens artificial reef sea-lock
Harbour works:	dock wall/quay/wharf
Navigation works:	<ul style="list-style-type: none"> lock gates moorings (unless exempted) buoy/navigation mark (unless exempted) training wall/breakwater
Land reclamation:	<ul style="list-style-type: none"> bunded/piled area dock infill
Intakes/outfall pipes:	intake/outfall
Cables:	cable/subsea cable
Pipeline maintenance:	pipe/pipeline maintenance
Piers etc.:	<ul style="list-style-type: none"> bridge supports/bridge foundation pier jetty
Bank stabilisation:	
Scour protection:	<ul style="list-style-type: none"> gabion mattressing
Barrages & island etc.	<ul style="list-style-type: none"> tidal barrier barrage

sculpture, statues, fountains etc.

ground investigation works

impoundment

Sediment manipulation

groynes

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 site works are located adjacent to the existing North Breakwater Crest within Rathlin harbour.

For further details, see attached Drawing Nos' 504293NI/PL01, 504293NI/PL02, 504293NI/PL04 & 504293NI/PL05

IGR Coordinates for site limits for the proposed works:

- 314523, 451056
 - 314578, 451058
 - 314570, 451002
 - 314561, 450998
 - 314576, 450961
- 314565, 450957

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

7. Method Statement

Detail Method statement to be provided by contractor upon appointment after forthcoming tender award.

It is anticipated that the main elements of the works will consist of

- Steel sheet pile quay wall installed using piling rig and piling hammer working from a combination of floating plant and hardcore causeway. Piles will be driven approx 3m into the sea bed.
- When the piles are installed they will be backfilled with hardcore to form the surface of the quay and finished in a reinforced concrete deck. All works will be executed from the permanent works above MHWS.
- The ferry ramp will be constructed in reinforced concrete. Temporary works in the form of clay bunds and sheet piles will be used to allow works to be executed in the dry. Approx 50% of the ferry ramp will be constructed below MHWS.
- The ferry ramp will be supported below MHWS by a combination of reinforced concrete wall and rock armour revetment. The rock armour will be placed using a tracked excavator working from the new permanent hard standing area above MHWS.
- The hard standing area will be constructed in hardcore and finished in asphalt. All the hard standing area will be above MHWS.

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)

Iron/Steel (tonnes) **1000t**.....

Plastic/Synthetic (m²)

Silt (m³)

Sand (m³)

Concrete (m³) **260**.....

Concrete bags/mattresses
(Confirm number, dimensions
& total volume m³)

Stone/Rock/Gravel
(size range and volume m³) 250m³ rock armour.....

If 'other' please describe below

N/A

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

.....
For further details, see attached Drawing No 504293NI/PL04 material to be sand, gravel & silt

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.)

.....
100m3 consisting of sand,, gravel & silt

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)

EIS issued to Marine Division – awaiting Planning approval

13. Statutory Consenting Powers

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

Yes No

If Yes, please give details

14. Consultation

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

Rathlin Development Community Association have been consulted and met on several occasions over the last 12 months. These consultation meetings are currently ongoing.

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

Rathlin Development Community Association have been consulted and met on several occasions over the last 12 months. These consultation meetings are currently ongoing.

In addition

- Meeting with Local Government in January and April 2015
- Meeting with harbor master in January and April 2015

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.

NIEA previously consulted as part of process involved in CPD's Planning Service Pre Application Discussion pro forma application form.

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.

This is an EIA project and the Environmentl Statement and the HRA has been attached to the application and submitted to Marine Division

Is the environmental assessment available for public inspection? **YES** **NO**

If YES at what locations:

Clarence Court, Adelaide Street, Belfast
Sheskburn House, Mary Street, Ballycastle

Declaration

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)

Conor Wallon

Date:

21/12/15

Name (Block Letters):

CONOR WALLON

Position within company:
(if applicable)

Civil Engineer

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

