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

Dunseverick Harbour
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@daera-ni.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. **55^0 55'.5N 2^0 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, Department of Agriculture, Environment and Rural Affairs (DAERA) Marine and Fisheries 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.

DAERA Marine and Fisheries Division will require copies of all documents to be provided for dissemination to others as part of the consultation process. Normally **one** copy of the maps/drawings will be required, if there are ancillary copies required, DAERA Marine and Fisheries 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, DAERA Marine

and Fisheries 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, DAERA Marine and Fisheries 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 Environment Division, 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 DAERA Marine and Fisheries 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.

Generic concrete repairs are required to the slipway and eastern quay structure at Dunseverick Harbour (299981, 444496 - 6 figure IGR). The works are required to repair the damaged concrete areas to improve safety and to increase the longevity of the existing concrete structures.

All works are above MLWS.

NB. This application is for a 3 year licence to undertake generic concrete repairs that may be similar in nature to those described in this application

2. Applicant Details

Title	Initials	Surname
Mr	J	Morton

Address:

Causeway Coast & Glens Borough Council
66 Portstewart Road
Coleraine
BT52 1EY

Name of contact:
(if different from above)

Shaun McLaughlin

Telephone number:
(inc. code)

028 2766 0200

Email address:

Shaun.McLaughlin@causewaycoastandglens.gov.uk

3. Agent Details (if appropriate)

Title	Dr	Initials	C	Surname	Davis

Trading Title (If different from above)	Doran Consulting
Business Address:	Norwood House
Name of contact: (if different from above)	96-102 Great Victoria St
	Belfast
Position within company (if appropriate)	BT2 7BE
Telephone number: (inc. code)	028 9033 3443
Email address:	gavin.nicholl@doran.co.uk
Company Registration No.	NI 055181

4. Duration of Project

Expected Start Date	March 2019	Expected Completion Date	March 2022

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

£55,000

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

- Concrete slab repair on slipway & quay
- Concrete joint replacement
- Remedial repair to stone wall
- Repair to existing steps
- Drainage line extended or diverted
- Remedial works to void beneath eastern quay

Refer to Method Statement attached for proposed schedule of works.

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

Types of Work Proposed

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
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.

(299981, 444496) - 6 figure IGR

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

7. Method Statement

Please find attached below a preliminary method statement for the proposed works.

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 (m^2 or tonnes) ..... Circa. 0.5 tonnes

Iron/Steel (tonnes) .....

Plastic/Synthetic (m^2) .....

Silt (m^3) .....

Sand (m^3) .....

Concrete (m^3) ..... Circa. 40m^3

Concrete bags/mattresses
(Confirm number, dimensions
& total volume m^3) .....

Stone/Rock/Gravel
(size range and volume m^3) .....

If 'other' please describe below

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 (m^2 or tonnes) Circa 20m^2

Iron/Steel (tonnes) .....

Plastic/Synthetic (m^2) .....

Silt (m^3) .....

Sand (m^3) .....

Concrete (m^3) .....

Concrete bags/mattresses (Confirm number, dimensions & total volume m^3) .....

Stone/Rock/Gravel (size range and volume m^3) .....

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)

…….

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?

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

The applicant (CCG) has met with DAERA Marine Team to discuss the proposed works.

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 Environment Division and, if appropriate, include copies of any correspondence with your application.

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.

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

If YES at what locations:

HRA can be viewed at Riada House, Ballymoney, by appointment.

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)

Date: 20/11/18.

Name (Block Letters): CAMPBELL DAVIS

Position within company:
(if applicable) Director

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**

Preliminary Method Statement,

Concrete Repairs, Dunseverick Harbour

CCG Slipway Repairs, 2018/2019

Generic concrete repairs are required to the slipway and eastern quay structure at Dunseverick Harbour (299981, 444496 - 6 figure IGR). The works are required to repair the damaged concrete areas to improve safety and to increase the longevity of the existing concrete structures.

Slipway Repair

The extent of the slipway to be removed and replaced will be marked out before the works begin. Using a Con Saw with a diamond tip blade operatives will begin to cut the edges of the area of slipway to be removed, water will be applied to the cutting disc to provide dust suppression. The excavator will break the existing slabs into more manageable sections using a rock breaker before they are excavated and removed off site. The area will then be excavated down to the level of the firm bearing strata removing all loose debris. Engineers will then be allowed to inspect the works area to ascertain the extent of erosion below the slipway.

The excavation will then be shuttered by operatives before the reinforcement is installed and the concrete is poured. The slabs on the new slipway will be poured in slabs no greater than 6m x 6m with appropriately formed and sealed joints. The concrete will be a specific marine grade concrete with an anti-washout admixture such as Mapei RESCON T or equivalent for underwater concrete application. The concrete will receive a tamped finish to provide texture for vehicles using the slipway. Once the concrete has been poured the area will be cordoned off until the concrete has gained sufficient strength.

Joint Replacement

Remove any old/deteriorated mastic sealant from existing joints between slabs that are to remain. Use a Con Saw with a diamond tip blade to ensure joints are 20mm x 20mm, water applied to cutting disc to provide dust suppression. Clean joints from debris and laitance with power hose and allow to dry. Fill voids under the joints with Fosroc Hydrocell XL. Apply primer to sides of the sealing slot and reseal joints with Nitoseal PU12 with an accelerator or equivalent.

Quay Repairs

Localised areas:

Surface spalling on existing quay to be surveys and defective area marked out. Saw cut edges to min 12mm depth providing square edges and break out locally. Ensure existing electric cable identified and surveyed. Power hose the area to remove debris, laitance and allow to dry. Prime any exposed reinforcement steel using Nitroprime Zincrich Plus. Prime concrete surfaces with Nitrobond EP. Place Fosroc Patchroc GP into area and compact in layers in accordance with Manufacturer's instructions.

Larger Areas:

The extent of the quay areas to be removed and replaced will be marked out before the works begin. Using a Con Saw with a diamond tip blade operatives will begin to cut the edges of the area of slipway to be removed, water will be applied to the cutting disc to provide dust suppression. The excavator will break the existing slabs into more manageable sections using a rock breaker before they are excavated and removed off site.

The excavation will then be shuttered by operatives before the reinforcement is installed and the concrete is poured. The slabs on the new quay will be poured in slabs no greater than 6m x 6m with appropriately formed and sealed joints. The concrete will be a specific marine grade concrete with an anti-washout admixture such as Mapei RESCON T or equivalent for underwater concrete application. The concrete will receive a tamped finish to provide texture for vehicles. Once the concrete has been poured the area will be cordoned off until the concrete has gained sufficient strength.

Remedial Repair Stone Wall

Remove any old mortar or latent materials then reset stones into existing wall and bed using M6 mortar cement. Replace open joint across the wall with same mortar after the existing mortar is cleaned out by suitable means.

Existing steps to side of harbour

Harbour Master to determine ownership of these steps at the side of the harbour prior to any works being carried out on these.

Drainage line

Initially the drainage line is to be surveyed & tested and cleaned out with a new grating placed at the existing discharge point.

Long term the existing line to be broken out from existing position and a new pipe extension added to extend the line by 10m. A new gradient & fall is to be provided to extend the line with the pipe clipped onto the existing quay edge. Anchored dowels into the existing concrete quay edge and slipway are to be provided to support a new reinforced concrete block around the new pipe. A non-return flap valve is to be formed at the end of the new pipe.

Remedial Works on Void beneath Eastern Quay -

Concrete filled bags are to be placed to the exterior of the existing quay to surround the voided area. Marine grade concrete to fill behind the concrete filled bags and into the void under quay. If the void is directly through the quay then the concrete filled bags will need to be placed on both sides of the quay to avoid mortar loss.

Remedial work to void under Eastern Quay to be reviewed further to discuss potential solutions. Voided area not established at present – Harbour Master to review carrying out a potential dive to review.