

# 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@daera-ni.gov.uk](mailto: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° 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, 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 (1<sup>st</sup> June to 15<sup>th</sup> 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/](http://www.foodstandards.gov.uk/) with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

## 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.

**Dunluce Castle, 87 Dunluce Road, Bushmills, Co. Antrim BT57 8UY.**

The existing septic tank is a GRP flask type and was installed 25 years ago. The existing outflow from the tank runs parallel with the visitors centre through the maintenance yard and discharges at the top of a steep bank at the rear of the maintenance yard. The effluent travels down the steep banked area where it meets with a fresh watercourse which flows to the sea.

Currently the tank does not have discharge consent from NIEA and it no longer has sufficient capacity due to an increase in visitors. As such this tank is no longer capable of meeting its required performance and there is a potential risk of pollution should this tank not be replaced.

We are proposing to abandon the existing tank and replace this with a new treatment plant located in the maintenance yard. The effluent will be conveyed by pipe from the new treatment plant, down the embankment (perforated pipe), into the cave (uPvc Pipe) and discharged at sea. The pipe will discharge at mean high water spring level. See drawings

## 2. Applicant Details

Title  Initials  Surname

Address:

Department for Communities  
Historic Environment Division  
Causeway Exchange  
1 - 7 Bedford Street  
BT2 7EG

Name of contact:  
(if different from above)

Telephone number:  
(inc. code)

028 9081 9226 / 028 9081 9212

Email address:

Historicenvironmentenquiries@communities-ni.gov.uk



### 3. Agent Details (if appropriate)

Title	Mr	Initials	J	Surname	Hall
Trading Title (If different from above)	Department of Finance				
Business Address: Name of contact: (if different from above)	Construction and Procurement Delivery, Civil Engineering Branch, Clare House, 303 Airport Road West, Belfast, BT3 9ED				
Position within company (if appropriate)	Civil Engineer				
Telephone number: (inc. code)	0289081 6862 / 07500 031384				
Email address:	Jonathan.Hall@finance-ni.gov.uk				
Company Registration No.	N/A				

### 4. Duration of Project

Expected Start Date	OCT 2019	Expected Completion Date	DEC 2019
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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

Approx £150k

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

The proposed scheme involves the replacement of the existing septic tank and effluent outfalls. NIEA carried out a test on the effluent discharge from the site and all readings were above the recommended limits and therefore satisfactory. The existing tank however is not meeting the requirements of current legislation, which require a soakaway filter system to operate as part of the septic tank. The proposed replacement tank will meet the current legislation and have a higher capacity to suit the site needs.

All work below ground will be minimised in order to not disturb anything of archaeological interest. The existing septic tank needs to be emptied of all waste material and disposed of as per environmental guidelines. Temporary toilets need to be required during parts of the works.

The proposed scheme, includes a New Klargester 'BJ' Biodisc Treatment Plant to be installed as per specification, placed in a hole sufficient to hold the tank and minimum of 200mm concrete surround, to a depth, which allows for the burial depth of the unit plus a minimum 300mm thick concrete base. The new replacement tank must be 2m from the pre-existing stone wall, bracing to the wall may be required to hold the tank in place. The replacement tank needs to meet requirements of NIEA 30mg/l BOD 30mg/l SS.

The outflow pipe from the tank is to be 150Ø perforated pipe as per consent conditions, the black twinwall piping will be secured using couplers, fixed onto rock were possible. A trench will be hand dug by a rope access team, were rock is not present to be fixed on. The discharge point will be encased in concrete to ensure it is secured in place. All works will be overseen by Historic Environment Division.

There is a current path at the site that is inaccessible. Work will be carried out to raise the path to a higher level to prevent flooding. New tubular railing with removable or swing piece section on both sides of path will be installed to allow for emergency access.

Construction work is proposed to commence in October 2019 and anticipated to take approximately 12 weeks to complete.

It will be a requirement of the contract that any appointed contractor will be required to follow good practice construction guidelines, with particular reference to preventing pollution of the North Atlantic Ocean. A Construction Environmental Management Plan (CEMP) outlining the specific measures to control potentially harmful releases to the environment will be a requirement of the appointed Contractor.

_____	shoreline reinforcement
_____	flood defence
_____	sea defence
<b>Slipways:</b>	slipway
_____	causeway
_____	launching ramp
<b>Miscellaneous:</b>	habitat creation/replacement
_____	aquaculture (unless exempted)
_____	sea wall
_____	berms/wave screens
_____	artificial reef
_____	sea lock
<b>Harbour works:</b>	dock wall/quay/wharf
<b>Navigation works:</b>	lock gates
_____	moorings (unless exempted)
_____	buoy/navigation mark (unless exempted)
_____	training wall/breakwater
<b>Land reclamation:</b>	bunded/piled area
_____	dock infill
<b>Intakes/outfall pipes:</b>	intake/outfall
<b>Cables:</b>	cable/subsea cable
<b>Pipeline maintenance:</b>	pipe/pipeline maintenance
<b>Piers etc.:</b>	bridge supports/bridge foundation
_____	pier
_____	jetty
<b>Bank stabilisation:</b>	
<b>Scour protection:</b>	gabion
_____	mattressing
<b>Barrages &amp; island etc.</b>	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.

C 90487 41324

## 7. Method Statement

All construction procedures will be subject to approval by Historical Environment Division (HED) and the outcomes from the Marine Construction license process. An outline of the procedures to be followed are:

- The effluent will be conveyed from the new treatment plant, down the embankment, into the cave and discharged at sea. The pipe will discharge at mean high water spring level (subject to Marine licence approval).
- Mechanical excavations are permitted within the maintenance yard area however it shall be at least a minimum of 2 metres away from the existing stone wall. This will be subject to the Scheduled Monument Consent anticipated for the site in respect of the archaeological constraints; any change to this will be subject to review in terms of impact on the works proposed.
- The pipe to be laid down embankment is to be perforated pipe as per NIEA discharge consent conditions. Trench will be hand dug by contractor's rope access team. Work will be overseen by Historical Environment Division.
- New path to be constructed as part of the works. Path to be raised to a higher level than the existing path to prevent flooding.
- Pipe within cave to be buried but were this is not possible it shall be secured using couplers fixed onto rock.
- Temporary toilets will be required as part of the works.
- In the existing septic tank, anything that could cause pollution (for example, remaining sludge) must be removed by a reputable company adhering to all relevant environmental policies.

- Tank will be decommissioned based on a professional's opinion whether it be removed off site or if an infill is more appropriate. If an infill is achievable, in terms of the archaeological significance of the site, a water-permeable inert material would be preferable.

It is important to note that the main work activities will take place immediately adjacent to the existing toilet block, which is located on the cliff top. The new tank will be installed within the confines of an existing walled area, with a hardstanding surface. As such, this area is 'isolated' from the surrounding landscape and habitats.

## 8. Permanent Deposits

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

Timber (m <sup>2</sup> or tonnes)	.....
Iron/Steel (tonnes)	.....
Plastic/Synthetic (m <sup>2</sup> )	.....
Silt (m <sup>3</sup> )	.....
Sand (m <sup>3</sup> )	.....
Concrete (m <sup>3</sup> )	.....
Concrete bags/mattresses (Confirm number, dimensions & total volume m <sup>3</sup> )	.....
Stone/Rock/Gravel (size range and volume m <sup>3</sup> )	.....

**If 'other' please describe below**

Discharge of Sewage effluent. Max quantity in one day 2.55m<sup>3</sup>/day. Max rate of discharge 0.7l/s

(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<sup>2</sup> or tonnes) .....

Iron/Steel (tonnes) .....

Plastic/Synthetic (m<sup>2</sup>) .....

Silt (m<sup>3</sup>) .....

Sand (m<sup>3</sup>) .....

Concrete (m<sup>3</sup>) .....

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

Stone/Rock/Gravel  
(size range and volume m<sup>3</sup>) .....

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? YES  NO   
(with the public or other bodies)

Number of meetings been held on site to discuss. Stakeholders present:

- NIEA – Industrial Consents team and Water Quality Inspectors
- Client – Archeologists from Department for Communities, Historic Environment Division (HED),
- Premises Team – Department of Communities based at Dunluce
- Strategic Investment Board (SIB) – Representative acting on behalf of HED
- Project Managers/ Designers – Civil Engineers from Department of Finance, Construction and Procurement Delivery (CPD)
- Aktins – Consultants carrying out Habitats Regulations Assessment

### 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.

As above. Correspondences attached



**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:

## 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:

11/06/2019

Name (Block Letters):

JONATHAN HALL

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**