

# Dredging 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

### 1. Project Title

Enter the name and/or co-ordinates of the proposed dredging site, Please state co-ordinates in degrees and minutes to one decimal point of a minute, or Irish Grid Reference System (IGR) any distances at sea should be in nautical miles, and on land should be in miles. An admiralty chart may be provided with annotations.

### 2. Applicant

The person, company or organisation making the application. (The licensee will be the contractor actually carrying out the dredging activity).

### 3. Agent

Any person, company or organisation involved in the operations. For example, they may be engaged to act under contract or other agreement on behalf of any party listed in the answer to questions 2-4 and having responsibility for the control, or management of the dredging anywhere below the tidal limit of mean high water springs (MHWS). (e.g. a consultant submitting the application.)

### 4. Details of Current/Previous Licence

Enter the appropriate details for any current dredging licence. If you have previously held a licence in respect of this operation, but no current licence exists, please provide the details for the most recently expired licence. If you have no knowledge of any previous licence, please enter "not applicable" (or "N/A").

### 5. Duration of Dredging Operation

Details of the proposed commencement and completion dates of the operation should be included. A licence will normally be valid for 12 months.

### 6. Details of Disposal Operation

If the dredged material in this application is to be disposed of at sea, a Marine Sea Disposal licence will be required. Please indicate if a sea disposal licence has been applied for, and the associated licence application number if available.

### 7. Method Statement

Please include a full method statement of the dredging operation. This should include details of proposed timings of dredging operations, full bathymetric information (existing and proposed dredge levels), method of dredging (i.e. backhoe, grab, floating plant, causeway). Also information on how the material will be removed from the dredge site will need to be included in the application.

## **8. Description of proposed dredged material.**

The applicant should indicate the following:

- Amount of material to be dredged in metric tonnes. A conversion factor of 1.4 tonnes/m<sup>3</sup> should be used for maintenance dredging and 1.6 tonnes/m<sup>3</sup> for capital dredging.
- Type of Material: whether the material is considered to be 'capital' or 'maintenance'
  - Capital: material from an area to be dredged down to a level not previously dredged during the preceding 10 years.
  - Maintenance: unconsolidated material which has been removed to maintain existing charted depths for navigational purposes.
- Nature of Material Please provide a description of where the dredge material has originated, e.g. river bed, sea, harbour, approach channel, estuary.

## **9. Chemical Analysis of Dredged Material**

Please indicate whether material from the localised area has been chemically analysed within the past 3 years. If yes provide details (locations, dates and laboratory that carried out the analysis) please provide results on separate sheets. Please note that any delay in providing analysis results is liable to extend the time required to consider your application.

If the material has not been chemically analysed within the previous 3 years, contact should be made with DAERA Marine and Fisheries Division. Marine and Fisheries Division will provide details of number of samples to be lifted, sample points and depth of samples. Analysis requirements attached as Appendix I.

## **10. Construction/Land Reclamation Projects**

Please indicate in the answer to this question if the dredging operation is to be associated with any other project involving the placement of material in the sea (e.g. beach nourishment, marine/harbour construction operations, land reclamation, installation of outfalls etc.) If this is the case, please indicate if a separate Marine Construction/Land Reclamation/Beach Replenishment licence application has been made.

## **11. Consultation with Conservation Bodies**

Consenting authorities have a duty to ensure that any operations will not have a significant adverse environmental impact, particularly upon designated conservation areas (e.g. Areas of Special Scientific Interest (ASSIs)/Special Area of Conservation (SAC), Special Protection Area (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.

## **12. 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.

## **13. Statutory Consenting Powers**

Please describe in the answer to this question what (if any) statutory responsibilities you (or your client) have to consent any aspect of the sea disposal operations. This is particularly likely to apply to harbour or local authorities.

## **14. Environmental Assessment**

Please indicate whether any environmental assessment has been carried out in respect of the proposed dredging operation, 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 box provided.

Additionally please also give detail regarding if and where a copy has been made/is being made available for public inspection.

### **Other Considerations**

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 to dredge in the Territorial Sea and UK Controlled Waters Adjacent to Northern Ireland**

(e.g. Capital or Maintenance Dredging)

**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's 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:

2. would be contrary to the interests of national security      **Yes**       **No**
3. 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.

N/A
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## 1. Project Title

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

Dredging Works are required at Red Bay Pier (55.0663° Lat, -6.0539° Long). The works are required to re-establish sufficient water depth at low tide along the quay wall as the high levels of deposition have disrupted the boats ability to dock here.

An area of approximately 1,000m<sup>2</sup> is proposed to be dredged along the north-east boundary of the quay wall resulting in approximately 770m<sup>3</sup> of recently deposited sands to be removed.

The dredging will create a bed level of -2.2m CD with grading at 1 in 5 to tie the dredge level into the existing surrounding bed. Depth of dredge should generally be 2.5m or less.

It is proposed that all arisings with test results below action level 1 will be disposed of to sea (under a separate license) at the DAERA disposal site known as "Carnlough A" located at co-ordinates 55.995° Lat, -6.9233° Long.

The material to be disposed of at sea will be recently deposited silts arising from this dredging operation. The volume of material with test results below action level 1 is estimated to be around 725m<sup>3</sup>. The 45m<sup>3</sup> of contaminated material will dredged and disposed of at an appropriate facility on land. A disposal at sea licence application is currently being submitted in tandem with this application.

## 2. Applicant Details

Title (e.g. Mr/Mrs Miss/Dr)	<input type="text" value="Mr"/>	Initials	<input type="text" value="J"/>	Surname	<input type="text" value="Morton"/>
Trading title (if appropriate)	<input type="text" value="Causeway Coast &amp; Glens Borough Council Harbour Master"/>				
Address: (Inc Postcode)	<input type="text" value="Causeway Coast &amp; Glens Borough Council&lt;br/&gt;66 Portstewart Road&lt;br/&gt;Coleraine&lt;br/&gt;BT52 1EY"/>				
Name of contact: (if different from above)	<input type="text" value="Graeme Pollock"/>				
Telephone number: (inc. code)	<input type="text" value="028 2766 0200"/>				
Email address:	<input type="text" value="Paul.Caldwell@causeway coastandglens.gov.uk"/>				
Company Registration number	<input type="text" value="NI 648189"/>				

## 3. Agent Details (if appropriate)

Title (e.g. Mr/Mrs Miss/Dr)	<input type="text" value="Dr"/>	Initials	<input type="text" value="C"/>	Surname	<input type="text" value="Davis"/>
Trading Title (If different from above)	<input type="text" value="Doran Consulting"/>				
Business Address:	<input type="text" value="Norwood House&lt;br/&gt;96-102 Great Victoria St&lt;br/&gt;Belfast&lt;br/&gt;BT2 7BE"/>				



Name of contact:  
(if different from above)

Gavin Nicholl

Position within company  
(if appropriate)

Associate

Telephone number:  
(inc. code)

028 9033 3443

Email address:

gavin.nicholl@doran.co.uk

Company Registration No.

NI 055181

#### 4. Details of Current/Previous Licence

Licence Reference Number

N/A

Expiry Date

N/A

#### 5. Duration of Dredging Operation

When is the dredging operation proposed to commence?

January 2019

When is the dredging operation proposed to be completed?

August 2019

#### 6. Details of Disposal Operation

Has a Marine Sea Disposal Licence been applied for Yes/No

Yes

Associated Marine Sea Disposal Licence Application number

Not yet known

## 7. Method Statement for dredging operation

Method statement has been attached via a separate document.

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

## 8. Description of proposed dredged material

Type of Material (delete as appropriate)

Capital/

Amount of Material to be deposited (metric tonnes)

1,200T

Nature of Material i.e. River Bed,  
Sea Harbour, Approach Channel, Estuary

Sea Harbour

Description of area from where dredge material has originated

Co-ordinates (Lat/Long) or (IGR)

55.0663°Lat -6.0539° Long

Depth of Material to be Removed (m)

Generally between 0 - 2.5m

Date Last Dredged

N/A

## 9. Chemical Analysis of Dredged Material

Has the proposed dredged material been chemically analysed in the previous 3 years? (delete as appropriate) **Yes\*\***

\*\* If Yes please provide the details below.

Location of sampling for analysis 55.0663°Lat -6.0539° Long (Red Bay Pier).....

Date analysis carried out 18/12/2017 - 10/01/2018.....

Laboratory RPS Mountainheath.....

*\*\*Please attach results to this application*

## 10. Construction/Land Reclamation Projects

Do you intend to apply for, or have applied for a marine construction licence as part of the works? (e.g. harbour works, land reclamation, installation of outfalls etc.)

Yes  No

If Yes, please indicate the location of the proposed works and a give a brief description below.

A marine construction licence is not being applied for as part of the works, however, a disposal at sea license is being applied for as part of the works as to dispose of dredged material.

## 11. Consultation with Conservation Bodies

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

## 12. Designated Conservation Areas

Are any parts of the sea disposal operations located within the boundaries of a designated conservation area?

Yes  No

If **No**, and the boundary of the nearest such site is within 5kilometres, please indicate approximate distance of the disposal operation from this boundary.

1.62 kms

### 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. 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:

The HRA reports can be viewed at Riada House in 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)

[Redacted signature box]

Date:

19/9/18.

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**

PRELIMINARY METHOD STATEMENT, DREDGING, RED BAY  
CCG DREDGING, 2019

The works are required to re-establish sufficient water depth at low tide along the pier as the high levels of deposition have affected the ability of boats to dock here. An area of approximately 1,000m<sup>2</sup> is proposed to be dredged along the southern face of the pier. The dredging will re-establish a bed level of -2.2m CD with grading at 1 in 5 to tie the dredge level into the existing surrounding bed. The depth of dredge should generally be 2.5m or less. This dredging will generate approximately 1,200T of recently deposited sands.

Sediment sampling campaigns in 2016 & 2018 collected 37 samples. These samples were tested in accordance with DAERA requirements. Of the 37 samples tested, one sample was found to contain elevated levels of TBT, DBT, MBT.

This sample is located at S1 at a level of -0.7m OD. Samples taken 0.5m above and below this level did not have elevated TBT/DBT. By using the surrounding sample locations we have identified on the drawings an area which we propose to treat as contaminated. As the samples 0.5m above and below were not found to be contaminated, we have identified a 0.5m deep layer between -0.45 m & -0.95m OD to be contaminated.

To prevent migration of contaminants whilst dredging this contaminated layer a **silt curtain** will be placed around the area identified on the drawings. The sands above -0.45m will be carefully dredged and disposed of to sea. The 500mm deep layer (between -0.45 m & -0.95m OD) within this area will be carefully dredged using an **environmental bucket**. The bucket will not be lifted from the bed until the hydraulic visor has been fully closed. Care will be taken not to overfill the bucket. The circa 45m<sup>3</sup> of material arising from this location will be disposed of on land.

Material dredged below the level of -0.95m will be dredged by a conventional bucket and disposed of to sea.

All dredging will be controlled using 3 dimensional earthworks software which uses sensors connected to the excavator arm and GPS to track the location of the bucket relative to the dredge surfaces.