

Deposit of Solid Waste (e.g. Dredged Material) 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

02890 569247 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 will be the contractor actually carrying out the disposal 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, management or deposit 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 the current sea disposal 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 Sea Disposal 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 Vessel(s)

The name, operator and type of vessel being used for the disposal operation should be entered. If vessel details are not available at the time of application, please indicate this on the form as these details will be included within a licence.

7. Method Statement

Please include a full method statement of the disposal operation. This should include details of proposed frequency of disposal trips per day, average estimated time from dredge site to licensed sea disposal site.

8. Description of Material for Sea Disposal

The applicant should indicate the following:

- Amount of material to be disposed of in metric tonnes. A conversion factor of 1.4 tonnes/m³ should be used for maintenance dredge and capital dredge material.

- 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.
- Description of where the dredged material has originated (Lat/Long, depth of material removed, date last dredged)

9. Chemical Analysis of Material to be Disposed of at Sea

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 Department of Agriculture, Environment and Rural Affairs (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 deposit of dredgings is 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. Best Practicable Environmental Option (BPEO)

Please give a very brief summary of the conclusions drawn in the BPEO assessment. Please note that sea disposal licence applications will not be considered unless they are accompanied by such an assessment. All options in the BPEO should be explored fully (as per the guidance document), otherwise your application form and BPEO may be returned to you thereby delaying the processing of the application. See Appendix II for BPEO Assessment and guidance.

12. 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 Heritage Directorate, please supply any response that they may have given.

13. 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.

14. 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.

15. Environmental Assessment

Please indicate whether any environmental assessment has been carried out in respect of the proposed sea disposal operations, 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.

16. Sea Disposal Site

The details of the licensed sea disposal site to be used will be communicated to the licensee by DAERA Marine and Fisheries Division in the sea disposal licence.

Should you wish to establish a new site, please provide details in a covering letter with your application and DAERA Marine and Fisheries Division will contact you to discuss your proposal before your application is determined. It must be noted that an application to open a new sea disposal site will not be considered unless sufficient need

and reasoning are established for such. It will be preferable on all occasions that an open existing site is used. The cost of any environmental investigations from baseline surveys to identify any new disposal site will normally be the responsibility of the applicant.

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 deposit Solid Waste (e.g. Dredged Material) in the Territorial Sea and UK Controlled Waters Adjacent to Northern Ireland (e.g. from dredging operations.)

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:

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.

1. Project Title

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

Project Title: Impounded River Lagan Maintenance Dredging and Disposal – Department for Communities (DfC)

Project Description: The DfC are the navigation authority for this 4.8 km stretch of the River Lagan between Stranmillis Weir and the Harbour Commissioners limit on the downstream side of the Lagan Weir, and are responsible for operation of Lagan Weir. DfC are applying for this licence in order to dispose of approximately 55,235m³ of material (77,329 tonnes) from the impounded River Lagan including:

- Removal of all material built up above -1.2m AOD with 2m wide side slopes (1:5 slope);
- Complete incised channel reinstatement (-2.5m AOD x 10m wide) along the length of the Impoundment; and
- Removal of material built up in front of the penstocks (-5.9m AOD x approximately 15m).

As a contractor has yet to be appointed to the scheme, exact timing and methods of the disposal are unknown. Indicative details have been provided where possible, however, please note that there may be changes to these once a dredge/disposal contractor is appointed to carry out the works. The appointed contractor will liaise with DAERA Marine Licensing team.

Dredging operations would be conducted using floating plant which would excavate the material and load it onto barges/pontoons. These would be towed to the Lagan Weir and transferred to a sea going barge moored on the downstream side of the weir. Filling of the sea going barge will be a relatively slow process and a trip to the disposal site is envisage every other day during the contract. This is based on a barge with a 300m³ capacity. It should be noted that the exactly methodology for dredging and disposal will be determined by the appointed contractor.

2. Applicant Details

Title (e.g. Mr/Mrs Miss/Dr)	<input type="text" value="Mr"/>	Initials	<input type="text" value="P"/>	Surname	<input type="text" value="Gallagher"/>
Trading title (if appropriate)	<input type="text" value="Department for Communities"/>				
Address: (Inc Postcode)	<input type="text" value="Lagan Weir
1 Donegall Quay
Belfast
BT1 3EA"/>				
Name of contact: (if different from above)	<input type="text" value="N/A"/>				
Telephone number: (inc. code)	<input type="text" value="028 9031 5304"/>				
Email address:	<input type="text" value="peter.gallagher@communities-ni.gov.uk"/>				
Company Registration number	<input type="text" value="N/A"/>				

3. Agent Details (if appropriate)

Title (e.g. Mr/Mrs Miss/Dr)	<input type="text" value="Mr"/>	Initials	<input type="text" value="M"/>	Surname	<input type="text" value="McLarnon"/>
Trading Title (If different from above)	<input type="text" value="Atkins Ltd."/>				
Business Address:	<input type="text" value="71 Old Channel Road
Belfast
BT3 9DE"/>				

Name of contact:
(if different from above)

N/A

Position within company
(if appropriate)

Principal Environmental Scientist

Telephone number:
(inc. code)

028 9078 8638

Email address:

Michael.McLarnon@atkinsglobal.com

Company Registration No.

688424

4. Details of Current/Previous Licence

Licence Reference Number

DU 149/11 Variation 1 (FEPA Dredge Licence)

Expiry Date

01 September 2012

Quantity (metric tonnes) deposited
under current licence as at (date)

88,000 metric tonnes

5. Duration of Sea Disposal Operation

When is the sea disposal operation proposed to commence?

01 September 2019

When is the sea disposal operation proposed to be completed?

31 March 2020

6. Details of Disposal Vessel(s)

Name of Vessel and Operator (if known)

Not known at this time. This will be confirmed by the appointed contractor.

Not known at this time. This will be confirmed by the appointed contractor.

Type of Vessel

(e.g. Bottom Doors/Split Hopper)

7. Method Statement for disposal operation

It is not known at the time of this licence application what the exact method for dredging / disposal will be as the contractor has yet to be appointed. However, it is anticipated that Dredging operations would be conducted using floating plant which would excavate the material and load it onto barges/pontoons. These would be towed to the Lagan Weir and transferred using floating plant to a sea going barge moored on the downstream side of the weir.

The Contractor shall comply with DfC's Regulations and River Bye-laws in relation to the River unless written consent to the contrary is issued by the River Manager.

Filling of the sea going barge will be a relatively slow process and a trip to the disposal site is envisaged every other day during the contract. This is based on a barge with a 300m³ capacity. One delivery to the disposal site is estimated to take 2 hours. It should be noted that the exactly methodology for dredging and disposal will be determined by the appointed contractor.

The Contractor must ensure they liaise with Port Operations when entering and leaving Belfast Harbour and comply with Harbour Bye-Laws.

The appointed contractor will liaise directly with DAERA Marine Licensing when appointed and will provide method statements.

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

N/A

8. Description of Material for Sea Disposal

Type of Material (delete as appropriate)

Maintenance

Amount of Material to be deposited (metric tonnes)

Up to 77,329 tonnes (55,235 m³)

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

River Bed

Description of area from where dredge material has originated **Down to -1.2 m AOD, -2.5m AOD for incised channel and -5.9 m AOD for area in front of penstocks – all from impounded River Lagan.**

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

**Lagan Weir to Stranmillis Weir
(Stranmillis Weir X334,099
Y370,900; Lagan Weir X334,441
Y374,536)**

Depth of Material Removed (m) **Down to -1.2 m AOD, -**
2.5mAOD for incised channel and -5.9 mAOD for area in front of penstocks
Date Last Dredged **April 2011**

9. Chemical Analysis of Material

Has the material to be disposed of at sea been chemically analysed in the previous 3 years? (delete as appropriate)

Yes**

** If Yes please provide the details below.

Location of sampling for analysis

6 samples locations throughout the Impoundment. Please see Atkins (2016) report for details of sampling and results of chemical analysis (submitted previously to DAERA). PAH Verification sampling in region of original Sample Location No.5 (adjacent to Shaftebury Recreation Centre). Zinc Sampling in region of original Sample Location No.1 (between Queen's Bridge and Railway Bridge at Waterfront).

Date analysis carried out **Main samples January 2016. PAH verification samples November 2016. Zinc Verification sampling October 2018**

Laboratory samples)

National Laboratory Service (all

*** 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.

11. Best Practicable Environmental Option (BPEO)

BPEO Assessment Summary

Various disposal options were considered as part of the work Atkins undertook to determine the quantity of siltation (and therefore the volume of sediment to be dredged), and the HRA. This is detailed in the Atkins report: 5163842/31/DG/002 Maintenance Dredging and Disposal Plan (included with this application). The environmental benefits of disposal to sea are summarised as follows:

- Navigation channel maintained;
- Long term amenity value of area maintained;
- Lorry movements not required;
- No drying out area required and subsequently no discharge consent required;
- Minimal road traffic problems due to barge transport to disposal site;
- No potential for spillages from lorries;
- Noise implications will be kept at a minimum as no lorry movements are required;
- Minimal loss of amenity for residents and visitors as material is not being moved via the road network and less areas adjacent to river bank will be utilised as material dredged will be transported on barges;
- Minimal problems in maintaining river facilities as access to slipways for example would be required for a very short period of time;
- Minimal air quality deterioration due to no road journeys to disposal site;
- Less disturbance to river users due to minimising double handling of material;
- Decrease in energy use due to minimising double handling of material;
- No drying out area required i.e. treatment area;
- No potential human health issue as no drying out area required;
- No air quality problems with dried out material as this is not required;
- Time and energy savings as drying out process is not required;
- No increase in amount of material for disposal as addition of drying agents not required;
- No increased siltation due to construction and removal of causeways;
- No ecological impact due to the need for construction and removal of causeways; and
- No potential landscape and visual impacts associated with drying out area and causeways.

12. 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.

Atkins have previously consulted with NIEA CDP (Lee Jones) whilst the HRA for Queens Quay (repairs on the Impoundment) was being undertaken as the Impounded River Lagan is hydraulically connected to Belfast SPA and Belfast Lough Open Water SPA. The HRA is attached for consideration for this licence as referenced in Section 14 below.

13. 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.

North Channel SAC 2.9km
from disposal site

14. 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

15. 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

HRA and Dredging & Disposal Maintenance and Disposal Plan (incorporating Environmental Assessment) included with application

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

Yes

No

inspection?

If **Yes** at what locations:

16. Sea Disposal Site

If you wish to establish a new sea disposal site please indicate here, and Marine Licence will contact you. Otherwise you will be informed of which site should be used and its coordinates.

I wish to establish a new sea disposal site

Yes

No

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]

Date:

04th December 2018

Name (Block Letters):

Michael McLarnon

Position within company:
(if applicable)

Principal Environmental Scientist

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