

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

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 of the project.

Indicate the location of the construction project using Latitude and Longitude co-ordinates in degrees and minutes to one decimal point of a minute provided. Any distances at sea should be in nautical miles, and on land should be in miles unless otherwise stated.

Attachments required.

You must provide appropriate drawing of the proposals including a red line diagram of the proposed construction location on an admiralty chart.

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.

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 Admiralty Chart which should be marked to indicate
 - The full extent of the works in relation to the surrounding area;
 - Latitude and longitude 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 require electronic copies of all documents to be provided. Normally only **one** copy will be required, however if the documents are too large to send electronically then ancillary copies on CD or other electronic storage devices will be required for consultation purposes, 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 Marine Licence may be required. The granting of the construction licence does not imply that the dredging 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 Marine Licence may be required. The granting of the construction licence does not imply that the sea 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 out with 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, MCZ, 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.

N/A

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

This application is for the provision of a Marine Construction Licence to carry out essential maintenance / repair works on the LSS Jetty, located on the shore of Lough Foyle.

The jetty is approx. 7.5km northeast of Derry City and 1.25km northeast of Foyle Port. Refer to Appendix A for a site location plan.

The maintenance / repair works **below** the MHWS include the following:

- Repair of steel piles by welding new steel plate(s) to the piles
- Repair of steel piles by concrete encasement
- Installation of Cathodic Protection System e.g. installation of sacrificial anodes
- Installation of Protective Wrap System on a select number of piles

The maintenance / repair works are critical to secure the continued safe operation of the LSS Jetty. The jetty was constructed in the 1950s and is currently owned by LSS Oil Terminal. The jetty is used by LSS to import oil products and by DuPont to import bulk chemical products.

It is proposed to begin the works in September 2020 and it is expected that the works will be completed by November 2020. Refer to Section 5(b) for a detailed breakdown of the project duration for the different maintenance / repair tasks.

The LSS Jetty is located within Lough Foyle which has designations as a Special Protection Area (SPA), a RAMSAR site and an Area of Special Scientific Interest (ASSI). The jetty is not situated within one of these designated areas but due to the nature of the works in a marine environment, a Stage 1 Habitats Regulation Assessment (HRA) was conducted, and a copy has been included in Appendix C.

Ordnance Datum Levels (Reference to Belfast)

Tide Levels:

• High Astronomical Tide (HAT)	+1.630m OD
• Mean High Water Spring (MHWS)	+1.230m OD
• Mean Sea Level (MSL)	+0.030m OD
• Mean Low Water Spring (MLWS)	-0.970m OD
• Low Astronomical Tide (LAT)	-1.370m OD

Average Jetty Structure Levels:

Approach Road	Topside of Concrete Deck	+3.432m OD
	Underside of Pile Cap	+2.373m OD
LSS Jetty Head	Topside of Concrete Deck	+3.440m OD
	Underside of Concrete Deck	+2.560m OD
Du Pont Jetty Head	Topside of Main Concrete Deck	+3.433m OD
	Underside of Main Deck	+2.543m OD
	Topside of Original Dolphin	+2.829m OD
	Underside of Original Dolphin	+1.709m OD
	Topside of Redundant Pully Area	+2.644m OD
	Underside of Pully Area	+1.409m OD
Dolphin No.1	Topside of Concrete Deck	+3.399m OD
	Underside of Concrete Deck	+2.149m OD
Dolphin No.2	Topside of Concrete Deck	+3.415m OD
	Underside of Concrete Deck	+1.875m OD
Dolphin No.3	Topside of Concrete Deck	+3.423m OD
	Underside of Concrete Deck	+2.163m OD
Dolphin No.4	Topside of Concrete Deck	+3.415m OD
	Underside of Concrete Deck	+2.145m OD
Dolphin No.5	Topside of Concrete Deck	+2.846m OD
	Underside of Concrete Deck	+1.406m OD

2. Applicant Details

Title

Initials

Surname

Address:

LSS Oil Terminal
Carrakeel Industrial Park,
Maydown,
Derry
BT47 6SZ

Project Title

6639 LSS Jetty Refurbishments

Name of contact:
(if different from above)

Telephone number:
(inc. code)

Email address:

3. Agent Details (if appropriate)

Title

Initials

ame

Trading Title
(If different from above)

Director, Project Design Engineers Ltd

Business Address:

Project Design Engineers Ltd
Lucas Exchange II,
1a Orchard Way,
Antrim,
N. Ireland
BT41 2RU

Name of contact:
(if different from above)

As Above

Position within company
(if appropriate)

Director

Telephone number:
(inc. code)

Email address:

Registration No.

NI 23197

4. Duration of Project

Expected Start Date

July 2023

Expected Completion Date

March 2024

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

The maintenance / repair works **below** the MHWS include the following:

	Estimate
Repair to steel piles – welding steel plates	£ 374,000.00
Repair to steel piles – concrete encasement	£ 546,00.00
Supply & Installation of Cathodic Protection System	£ 731,000.00
Supply & Installation Wrap System	£ 92,000.00
Estimated Total (Below MHWS)	£1,743,000.00

The licence application falls within Band F (£1,000,000 to £2,999,000) of the Marine Licence application fees, and the application fee is £5,725. Payment has been issued to DAERA via BACS.

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

Commencement of Works	July 2023
Mobilisation	July 2023
Dolphins No.1 to No.4 and Access walkway No.1 to No.4 Installation of Sacrificial Anode CP System (69 piles)	July – Sept 2023
LSS Jetty Head Installation of Sacrificial Anode CP System (107 piles)	July – Sept 2023
Du Pont Jetty Head (A-L) Installation of Sacrificial Anode CP System (101 piles)	July – Sept 2023
Du Pont Jetty Head (M-O), Dolpin No.5 & Access Walkway No.7 Installation of Sacrificial Anode CP System (46 piles)	July – Sept 2023
Approach Rd	Aug 2023 – Sept 2023
Dolphins No.1 to No.5 Preparation / Installation of Wrap System (46 piles) Repair of Pile – Concrete Encasement (13 piles) Repair of Pile – Welding Steel Plate (4 piles)	Sept 2023 – Nov 2023
LSS Jetty Head Remobilise Repair of Pile – Concrete Encasement (19 piles) Repair of Pile – Welding Steel Plate (10 piles)	Sept 2023 – Oct 2023
Du Pont Jetty Head Repair of Pile – Concrete Encasement (23 piles) Repair of Pile – Welding Steel Plate (13 piles) Installation of Sacrificial Anode CP System (113 piles)	Jun - Aug 2021
Access Walkway No1 to No.5 & No.7 Repair of Pile – Concrete Encasement (8 piles) Installation of Sacrificial Anode CP System (20 piles)	Sept 2023 – Dec 2023
Demobilisation / Completion of Works	Dec 2023
Handover Documentation (off site)	Dec 2023 – Feb 2024

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 Latitude and Longitude co-ordinates, to 1 decimal minute, defining the extent of the project.

The proposed works will be carried out within the following co-ordinates taken from Admiralty Chart 2510, refer to drawing PD6639404 in Appendix A:

A: 55° 02'.78N	-07° 14'.96E	(Dolphin No.1)
B: 55° 02'.50N	-07° 14'.82E	(LSS Jetty Head)
C: 55° 02'.88N	-07° 14'.71E	(Dolphin No.6)
D: 55° 02'.75N	-07° 14'.68E	(Jetty Approach Rd Entrance)

Also, refer to the Site Layout drawing PD6639400 for general layout details of the jetty and drawing PD6639405 for location details of steel piles, in Appendix A.

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

☐

7. Method Statement

An outline of a Method Statement is provided below but it should be noted that the methodology described is subject to change by the appointed contractor.

It is envisaged that on appointment of a contractor to carry out the works a further updated and detailed Method Statement will be developed and submitted to the Marine Licensing Team.

All works to be carried out in accordance to the guidelines PPG5 (Pollution Prevention Guidelines, Works & Maintenance in or near Water).

1. **Wrap System (Piles 1U/D to 23U/D)**

Refer to Drawings PD6639408 & PD6639624, Appendix B

1.1 Surface Preparation

- Removal of marine growth and corrosion products using pneumatically / hydraulically driven tools such as scabblers, needle guns etc and handheld tools such as wire brushes, scrapers, etc.
- Debris netting will be erected around each pile, as well as a sheet of terram at the base of the pile being cleaned, to collect of any materials / debris generated during the cleaning process.
- Marine growth / corrosion products to be removed from areas where piling tape is to be applied.

1.2 Application of Paste

- Denso paste S105 paste, or equivalent, will be applied to areas with pits of 2mm or deeper to ensure the wrapping tape does not “bridge” a void.
- The paste may also be required on areas with weld scars and weld seams.

1.3 Tape Application

- A strip of the tape is to be applied either side of a weld seam.
- Another strip applied over the centre of the weld seam, overlapping the previously applied strips.
- The beginning of the roll is placed against the pile, starting at the pile / pile cap interface, compound side down, with the backing film to the outside and rubbed down to ensure a good bond. The tape is hand tightened around the pile to assure the required adhesion and the absence of voids.
- Two full circumferential wraps are applied around the pile and wrapping continues with a spiral path around the pile until an overlap of 55% is achieved and thereafter maintained.
- Each new roll of tape is spliced onto the previously applied tape by a minimum 150mm and wrapping is continued maintaining the required 55% overlap.

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



- The wrapping is finished with two complete circumferential turns around the pile.
- 1.4 Jacket Installation
- The HDPE jacket, applied in 1m sections, is simply passed around the pile, with the jacket flange joint in place at the long face of the pile.
 - The bolting holes on the flange joint are aligned.
 - The clamping bar is aligned along the flange joint.
 - Pressure is applied to the clamping bar, via the connected hydraulic pump, to pull the flange joints together.
 - On closing of the flange joint, locking nuts are tightened on the flange.
 - The above is repeated until the full length of the pile is covered as required.

1.5 General Information

- Each Pile 1U/D to 23U/D is accessible by foot, from the shoreline, at LMWST.
- Temporary access platform will be erected at each pile cap e.g. Piles 7U & 7D, where required to facilitate works at the pile / pile cap interface.
- The access platform will be supported off the existing Approach Rd structure.

2. **Cathodic Protection System – Sacrificial Anodes**

Refer to Drawings PD6639408 & PD6639624, Appendix B

2.1 General

- To facilitate the installation of the anode system, a workboat (and possibly a pontoon), a safety boat and dive team will be required.
- The dive team / boat crew will work in accordance with LSS Jetty Regulations, the Diving at Work Regulations 1997, Approved Code of Practice and Guidance - L104 and keep in radio contact with Foyle Port, who will be monitoring vessel movements in Lough Foyle.
- All anodes to be installed at, or just below, the low water level.
- Refer to Section 8(a) for details of the anodes to be installed.

2.2 Surface Preparation

- Removal of marine growth by divers with handheld tools such as wire brushes, scrapers, etc.
- Marine growth to be removed locally at the proposed location for the new anode support bracket, at the areas where the bracket contacts the pile e.g. top and bottom ends of the bracket.

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



2.3 Assembly

- Anodes (one, two or three depending on the submerged length of the pile) are to be welded to the anode support bracket at a designated hotworks area on the jetty structure.
- The support bracket, complete with anodes, will be transported to the required area and lowered down to the waiting divers via appropriate lifting equipment.

2.4 Installation

- Once the bracket is in the water, the divers will open the bracket and enclose it around the required pile at or below the low water level.
- On closing the support bracket / cage around the pile, the locking bolts at the top and bottom of the bracket will be tightened.
- The above steps are repeated at each pile that requires sacrificial anode protection.

3. **Pile Repair – Concrete Encasement**

Refer to Drawings PD6639408 & PD6639624, Appendix B

3.1 General

- To facilitate the concrete encasement process, a workboat (and possibly a pontoon), a safety boat and dive team will be required.
- The dive team / boat crew will work in accordance with LSS Jetty Regulations, the Diving at Work Regulations 1997, Approved Code of Practice and Guidance - L104 and keep in radio contact with Foyle Port, who will be monitoring vessel movements in Lough Foyle.
- Where concrete encasement is required, it is expected that the relevant pile will be encased in concrete from the seabed level to the pile / soffit intersection.

3.2 Surface Preparation

- Removal of marine growth by divers with handheld tools such as wire brushes, scrapers, etc.
- Marine growth to be removed full length of pile area to be encased in concrete.
- If required, patch plates to be welded over small holed areas.

3.3 Jacket System

- Fabric pile jacket to be attached to the underside of the concrete deck, around the circumference of the pile to be repaired.
- Fabric pile jacket to extend the full length of the pile to the seabed.
- The jacket includes a self-sealing bottom turn up at the interface with the seabed.

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



3.4 Concrete Pour

- The jacket is tremie filled using an automated pumping plant, from the bottom filler sleeve.
- The pumping plant will be located on the top deck of the jetty structure or on the workboat / pontoon depending on the location of the pile to be repaired.
- On the successful completion of the pile encasement the plant and equipment are moved to the next pile that required repair and the previous steps are repeated.

4. Pile Repair – Welding of Folded Steel Plate

Refer to Drawings PD6639408 & PD6639624, Appendix B

4.1 Surface Preparation

- Removal of marine growth and corrosion products using pneumatically / hydraulically driven tools such as scabblers, needle guns etc and handheld tools such as wire brushes, scrapers, etc.
- Marine growth / corrosion products to be removed from areas where folded plate is to be welded into position.

4.2 Plate Preparation

- The folded plates (of various lengths) will be supplied to the site already folded. The plates perimeters will be prepared for welding at a designated hotworks area on the jetty structure.
- The folded plate(s), complete with lifting eye, will be transported to the required area and lowered down to the waiting divers via appropriate lifting equipment.

4.3 Installation

- Once the plate is in the water, the divers will tac weld the plate into position.
- When the plate is fixed in position, a full fillet weld be applied around the perimeter of the plate.
- The above steps are repeated at each pile that requires repair by folded steel plate.

8. Permanent Deposits

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

Timber (m ² or tonnes)	.....N/A.....
Iron/Steel (tonnes)	.....8.8 tonnes.....
Plastic/Synthetic (m ²)	.....N/A.....
Silt (m ³)	.....N/A.....
Sand (m ³)	.....N/A.....
Concrete (m ³)	.....115m ³
Concrete bags/mattresses (Confirm number, dimensions & total volume m ³)	.....N/A.....
Stone/Rock/Gravel (size range and volume m ³)	..... N/A

If 'other' please describe below

Protection of Piles: Cathodic Protection System Anode Details

Approx. 750 Aluminum rectangular block anodes varying in length between 1m and 1.8m.

Depending on the length of the pile section permanently submerged below the low water level, one to three anodes to be installed on each pile.

Weight of individual anodes to vary between 40kg and 100kg, total estimated 60,000kg of Aluminum.

Protection of Piles: Wrap System Details

Denso Sea Shield System (or equivalent) Components:

- | | |
|-------------------------------------------------------------------------------------|-------------------|
| • S105 Paste (VOC free, soft petrolatum paste with corrosion inhibitors & biocides) | 20kg |
| • Marine Piling Tape (Synthetic fabric with HDPE backing film) | 201m ² |
| • HDPE Outer Jacket | 102m ² |

Repair of Piles: Concrete Encasement

Refer to Table above

Repair of Piles: Welding of Folded Steel Plate

Refer to Table above

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) **N/A**

Nature of Material
(e.g. sand, silt, gravel etc.) **N/A**

Source:
(if sea dredged please state
location of origin) **N/A**

Particle Size **N/A**

Has the material been chemically analysed? Yes ☐ No ☐

If Yes, please include the analysis data with your application. **N/A**

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

If 'other' please describe below

<p style="text-align: center;">N/A</p>

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?

A Public Notice will be issued in two local newspapers in the council area, the Derry Journal and the Londonderry Sentinel, at the time of this application being submitted to NIEA.

Details of the public notice will be forwarded to NIEA for their records.

The public notice will indicate the commencement of the Public Consultation period, for a duration of 28 days.

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

Prior to the submission of this application the NIEA have been informed / updated on the proposed works via a number of meetings and phone calls.

Meetings at Marine & Fisheries Division, Klondyke Building, Belfast were held on the following dates:

- 14th Feb 2019
- 7th Aug 2019
- 17th Oct 2019

X

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.

Refer to Section 14.b

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

The works do not lie within a designated area however a Stage 1 Habitats Regulations Assessment (HRA) was conducted and issued to NIEA prior to this application, a copy of the HRA is attached in the Appendix.

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 issued to NIEA prior to this application and for reference a copy is attached in the Appendix.

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:

01/06/2023

Name (Block Letters):

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

The Department takes data protection, freedom of information and environmental information issues seriously. It takes care to ensure that any personal information received from you is dealt with in a way which complies with the requirements of the UK General Data Protection Regulation. This means that any personal information you supply will be processed principally for the purpose for which it has been provided. However, the Department is under a duty to protect the public funds it administers, and to this end may use the information you have provided for this purpose.

A full copy of the DAERA Privacy Statement can be found here:-
<https://www.daera-ni.gov.uk/daera-privacy-statement>

APPENDIX A – Site Layout Drawings

APPENDIX B – Project Drawings

APPENDIX C – Habitats Assessment Report

APPENDIX D – Hydrographic Survey Drawing

APPENDIX E – LSS Jetty Regulations

APPENDIX F – Chemical Analysis Results