



Northern
Lighthouse
Board

MARINE LICENCE APPLICATION

Northern Lighthouse Board

Regional Licence for Slipway Maintenance Work



84 George Street
Edinburgh EH2 3DA

Tel: 0131 473 3100
Fax: 0131 220 2093

Website: www.nlb.org.uk
Email: enquiries@nlb.org.uk

MARINE LICENCE APPLICATION
Northern Lighthouse Board
Regional Licence for Slipway Maintenance Work

CONTENTS

Executive Summary	3
Slipway Location Map	4
Site Location Plans	5
Method Statement	7
Photographs	11
Marine Policy Statement and the Scottish National Marine Plan	13
Annexe 1: Marine Licence Application for Construction Projects	14

EXECUTIVE SUMMARY

This Application Document contains the relevant information required to support NLB's regional marine licence for construction projects application. Marine Scotland has advised NLB to use the 'Marine Licence Application for Construction Projects' form, (see copy attached at Annexe 1).

The Commissioners of Northern Lighthouses are appointed as the General Lighthouse Authority for Scotland and it's adjacent seas and islands, in addition to the Isle of Man. We are vested with responsibility for the superintendence and management of all associated lighthouses, buoys and beacons. We have provided a vital safety service to mariners since 1786 and are responsible for the superintendence and management of all lights, buoys and beacons within Scottish and Isle of Man waters. Our service makes a significant contribution to the prevention of accidents and incidents around the coastline, safeguarding not only lives and property, but also protecting our precious marine environment.

We currently operate and maintain 206 lighthouses and 170 buoys as well as providing radio aids to navigation (AtoN). We are also responsible for ensuring other AtoN providers in our area, such as port authorities, are conforming to international standards. We operate two ships NLV PHAROS and NLV POLE STAR. The ships carry out buoy work, deliver stores and supplies to lighthouses and inspect navigation aids on oil and gas rigs in the Scottish sector.

Our slipways, jetties and boat landings are all situated at least partly below Mean High Water Springs (MHWS) and therefore a marine licence is required for their maintenance.

Following correspondence with Marine Scotland on 16 June 2020, it is proposed that NLB applies for a regional licences of two years' duration to cover maintenance to three slipways currently in need of repair.

The three slipways are as follows:

- Davaar, near Campbeltown
- Holy Island Inner, Arran
- Fladda, Slate Islands, Inner Hebrides

The maintenance required at all three sites is of a similar nature and at each location involves restoration of the slipway to its original condition by repairing wave damage and erosion. In all cases the repair works will maintain the slipways within their original footprint with no additional construction.

SLIPWAY LOCATION MAP



SLIPWAY SITE PLANS



Slipway site in **red** at **Holy Island Inner** Lighthouse, MLWS and MHWS shown in **blue**
 Site co-ordinates 55°30.732N, -5°04.227W; 55°30.730N, -5°04.225W
 55°30.739N, -5°04.204W; 55°30.737N, -5°04.202W



Slipway site in **red** at **Davaar** Lighthouse, MLWS and MHWS shown in **blue**
 Site co-ordinates 55°25.631N, -5°32.797W; 55°25.633N, -5°32.793W
 55°25.618N, -5°32.775W; 55°25.620N, -5°32.771W



Slipway site in red at **Fladda** Lighthouse, MLWS and MHWS shown in blue
 Site co-ordinates 56°14.911N, -5°40.849W; 56°14.911N, -5°40.846W
 56°14.941N, -5°40.851W; 56°14.945N, -5°40.848W
 56°14.946N, -5°40.850W; 56°14.941N, -5°40.853W



Slipway site at Holy Island Inner shown as red dot, in relation to South Arran MPA boundary

METHOD STATEMENTS

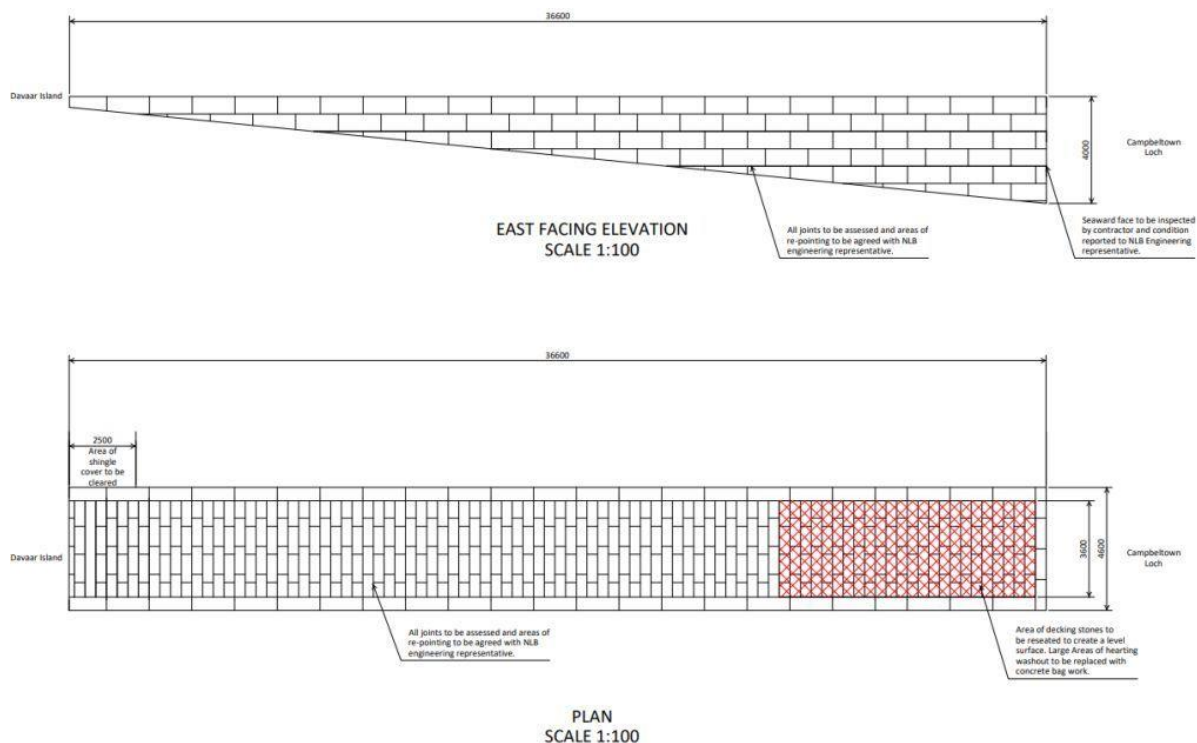
The works will be undertaken by a contractor selected by competitive tender. We will work with the contractor to develop a method statement covering all elements of the project and ensuring it meets the required standards for environmental safety and the requirements stipulated by the marine licence. All works will be carried out in compliance with the pollution control information on SEPA's website <https://www.sepa.org.uk/regulations/water/pollution-control/>

It is anticipated that for all the sites plant and materials will be landed by boat at the start of the job. Our lighthouses will be available for storage of all plant and materials to ensure their security while not in use.

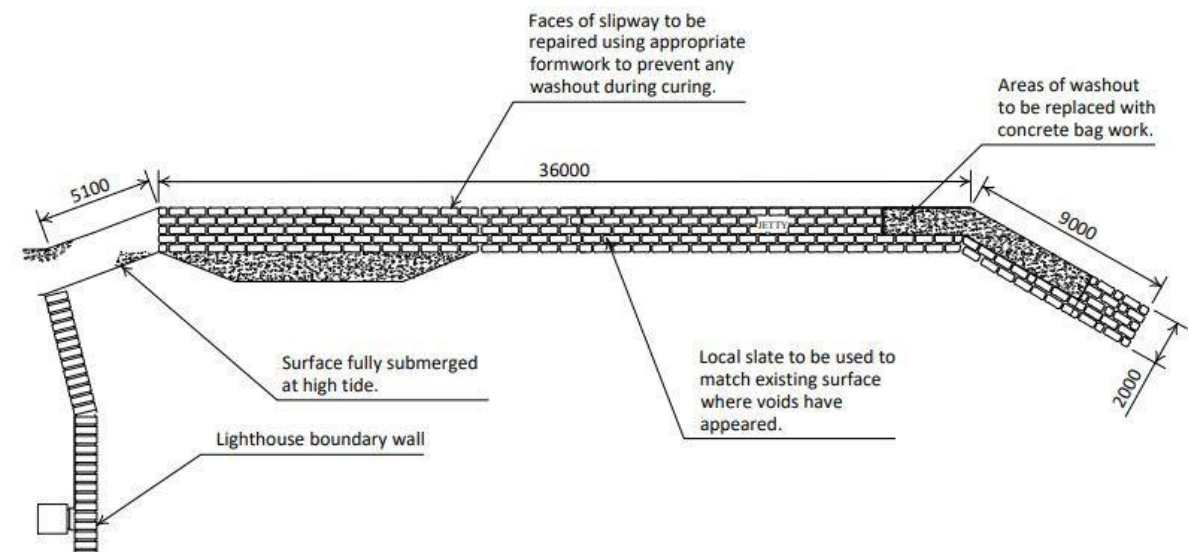
The works will involve repointing of stonework, placement of pre-filled concrete bagwork to fill areas of the original slipways lost to erosion/storm damage, and pouring of concrete to reform facings and voids using temporary formwork. The concrete repairs will use proprietary products designed for the marine environment with fast set times, manually batched on site. We will recommend the following guidance for concrete work:

- Any concrete batching will take place on an impermeable designated area and at least 10m from any waterbody
- No discharge of wash waters will occur on-site
- All excess wash water that cannot be reused will be disposed of off-site
- Pouring of concrete will take place within well shuttered pours to prevent egress of concrete from the pour area
- Pouring of concrete during adverse weather conditions will be avoided

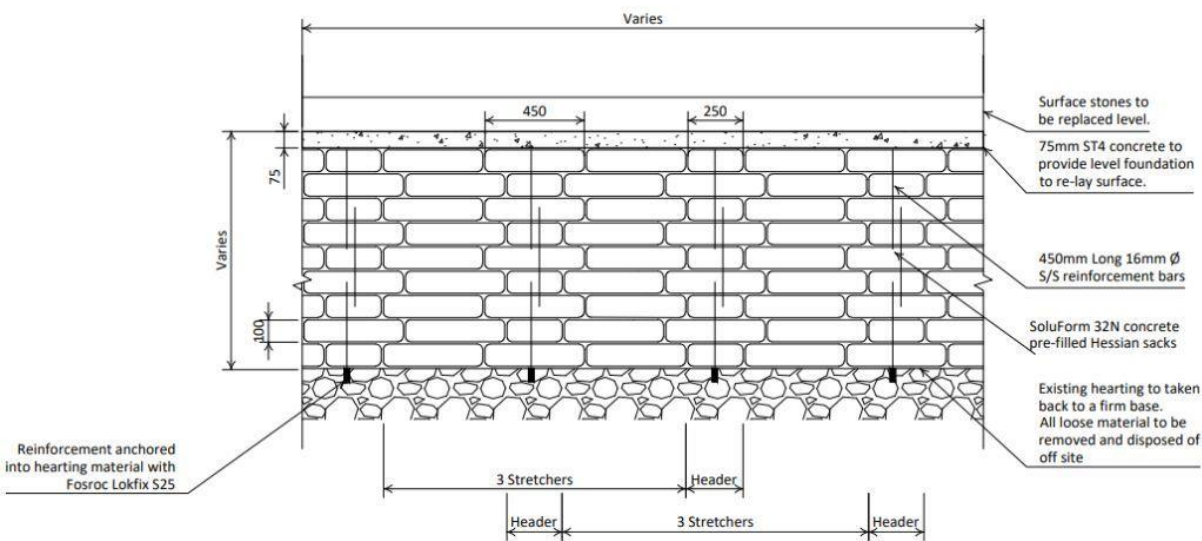
Proposed repairs at Davaar:



Proposed repairs at Fladda:

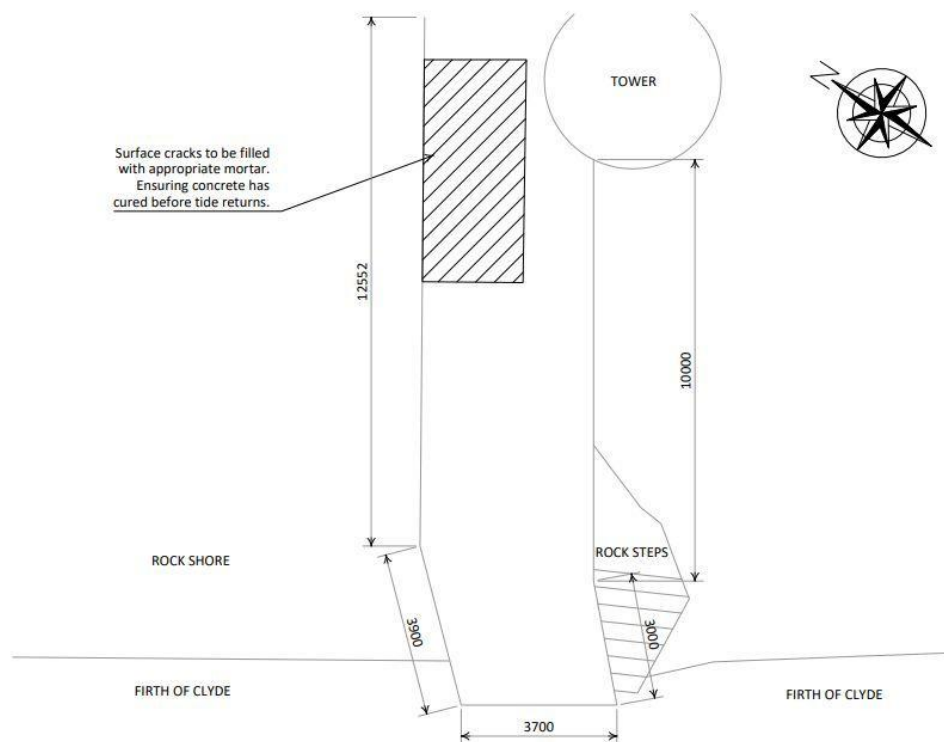


PLAN OF SLIPWAY

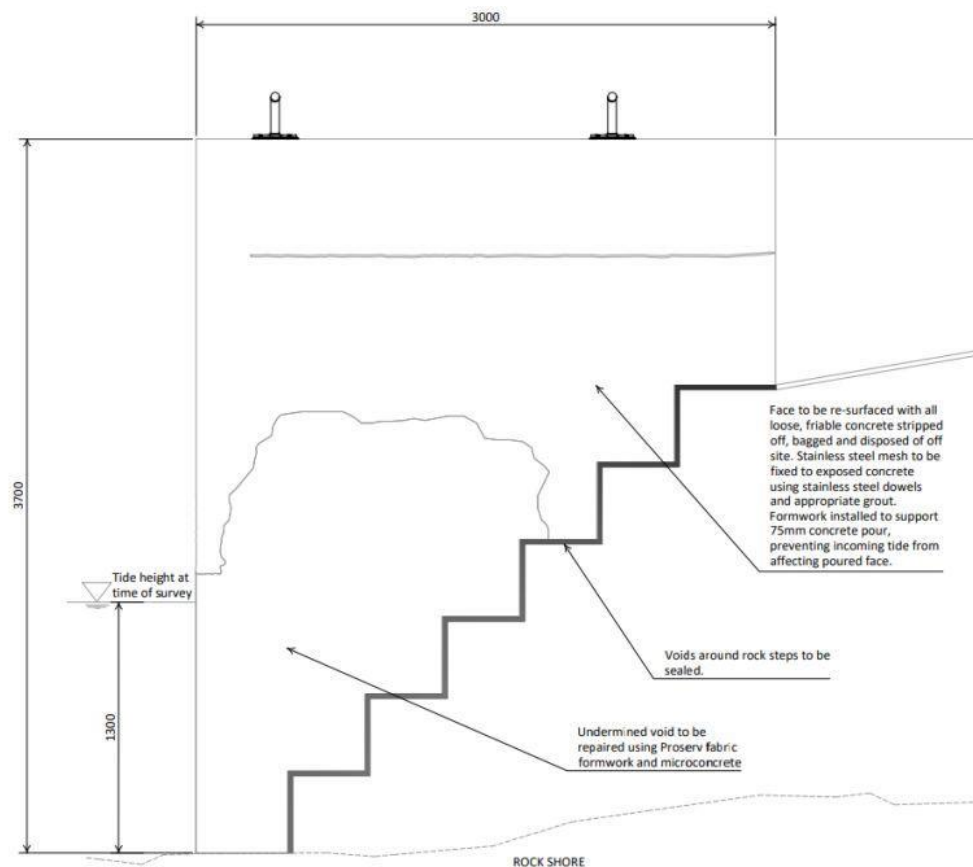


CONCRETE BAGWORK
TYPICAL DETAIL

Proposed repairs at Holy Island Inner:

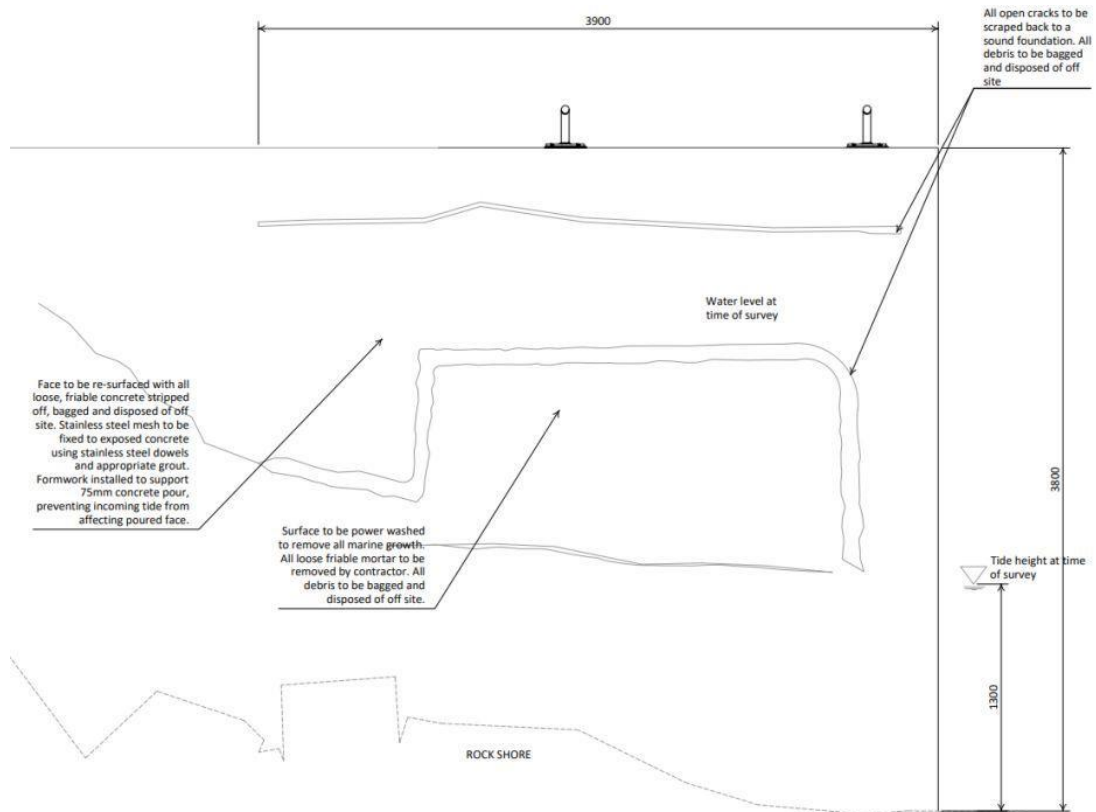


SLIPWAY PLAN

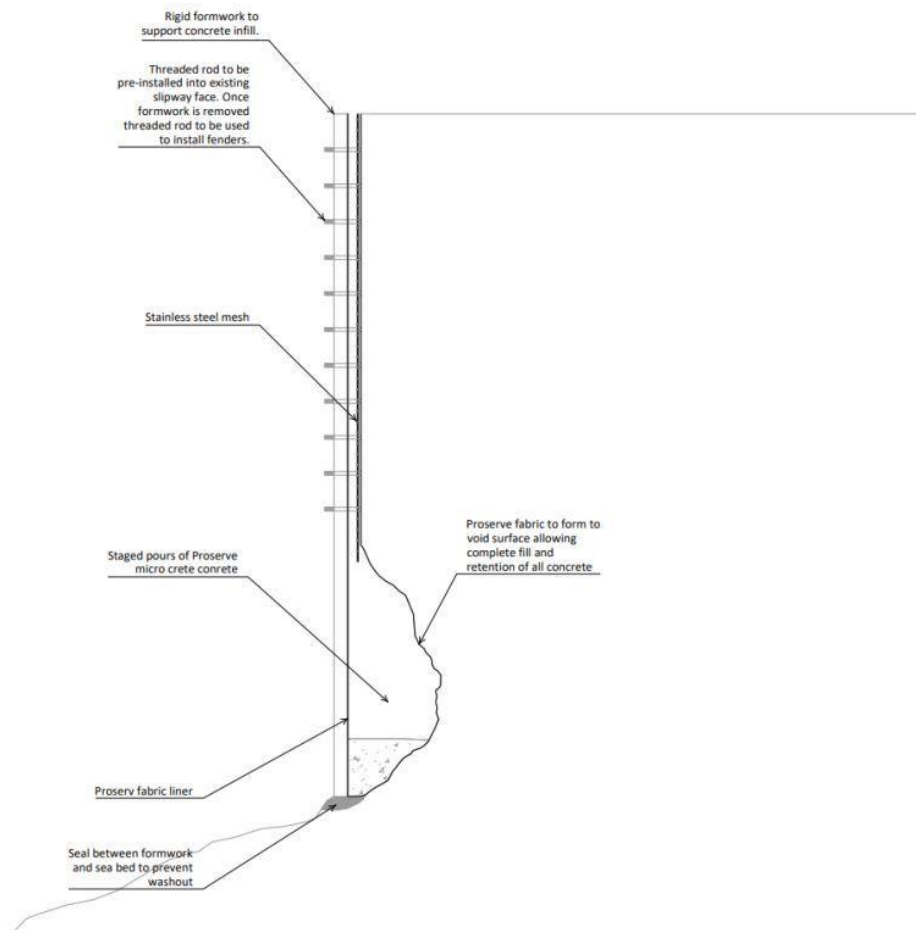


WEST FACING ELEVATION

Proposed repairs at Holy Island Inner continued:



EAST FACING ELEVATION



PROSERV FABRIC FORM WORK REPAIR AND RE-FACING

PHOTOGRAPHS

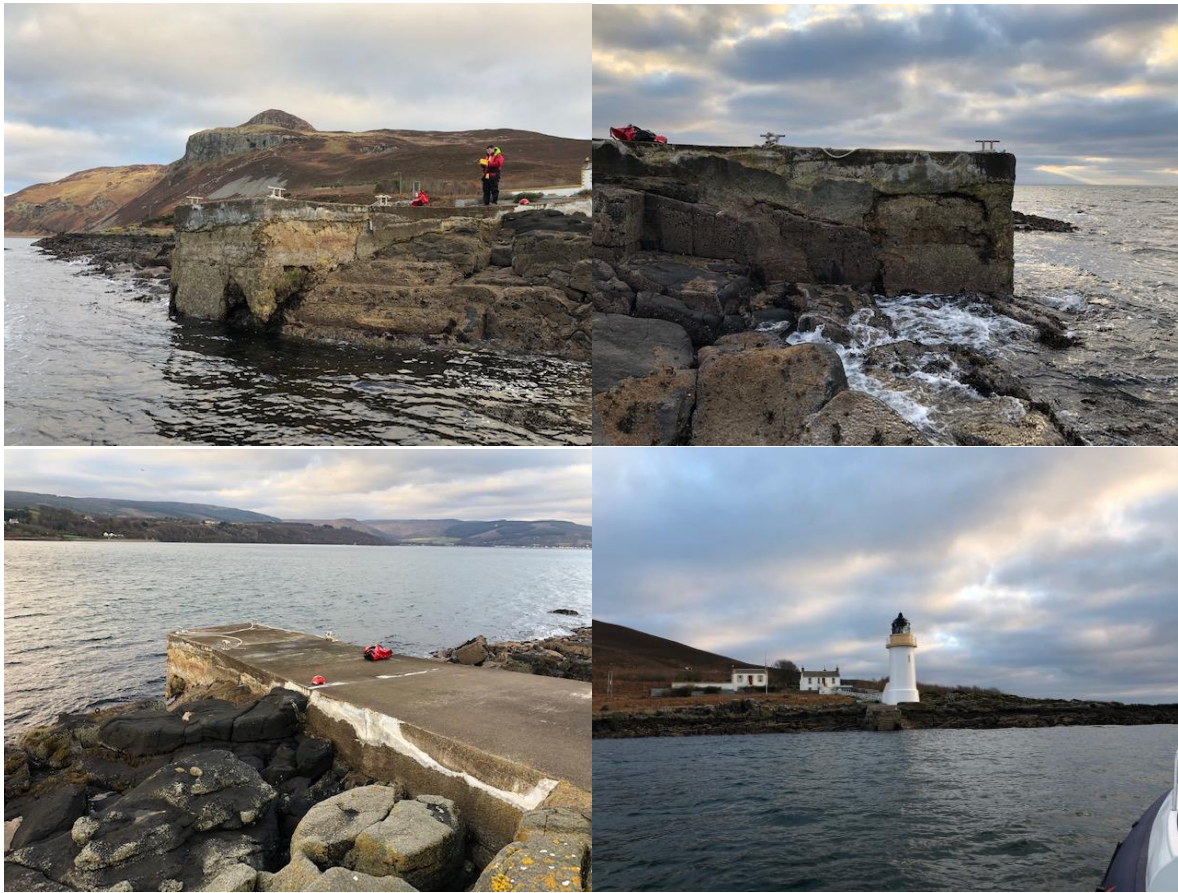


Slipway at Davaar Lighthouse



Slipway at Fladda Lighthouse

PHOTOGRAPHS CONTINUED



Slipway at Holy Island Inner Lighthouse

MARINE POLICY STATEMENT AND THE SCOTTISH NATIONAL MARINE PLAN

The works proposed do not generally impact on any of the policies outlined in Scotland's National Marine Plan, other than in supporting Section 3: Key issues for marine planning, and Section 13 Part 1; Objectives and marine planning policies, in regard to Objective 1: "Safeguarded access to ports and harbours and navigational safety".

It should be noted also that the Northern Lighthouse Board's main remit is to ensure that Aids to Navigation (AToNs) are maintained with the aim to: "Deliver a reliable, efficient and cost-effective Aids to Navigation service for the benefit and safety of all Mariners"

The works proposed do not constitute any new development but relate to the operation and maintenance of existing infrastructure and are consistent with Scotland's National Marine Plan ('SNMP'). The licensable activity which would be permitted by the proposed licence is low impact maintenance activity and is sustainable use of the marine environment which is consistent with the policies and objectives of the SNMP (GEN 1 'general planning principle').

The proposed maintenance activities provide the social benefit of a functioning Aid to Navigation service, promoting health and wellbeing that benefits not only coastal communities but also those who travel to and use the marine and coastal environment (GEN 3 'social benefit').

'Landscape and seascape are important elements of people's enjoyment of the coastal and marine environment. They are also important as the setting for coastal communities, contributing to sense of place, economic livelihoods and quality of life.' (GEN 7 'landscape/seascape'). It is not envisaged that the proposed maintenance activities would develop, change or adversely impact the landscape character and visual amenity of each site, as no new development is proposed as part of this marine licence application.

We have reviewed each site included in this application for a regional marine licence to identify sites that are located within 2km of a Protected Area, and of the 3 sites only one falls within a protected area - Holy Island Inner which is in the South Arran Marine Protected Area. This MPA seeks to conserve the protected features in the area, which include patchworks of maerl beds, kelp and seaweeds on sediments, burrowed mud, coarse shell gravels with burrowing bivalves, and seagrass beds. The South Arran Marine Conservation Order 2015 enforces the MPA by limiting fishing activities in the protected area and the proposed maintenance activities in this application will therefore not impact the legally protected areas and species in the marine environment (GEN 9 'Natural Heritage').

The proposed maintenance activities should not result in a deterioration of the quality of water (GEN 12 'Water quality and resource'). The maintenance activities do not involve any new pathways that might introduce marine non-native species (MNNS) (GEN 10 'Invasive non-native species'). The proposed activities will not result in additional marine litter (GEN 11 'Marine litter') (see Method Statements).

As the proposed activities are low impact, there will not be any significant adverse effects of man-made noise and vibration in the marine environment (GEN 13 'Noise'). The maintenance activities proposed for the sites in this regional marine licence application would not have a significant cumulative impact that would outweigh the benefit of the activities (GEN 21 'Cumulative impacts'). These are low impact activities that are essential to maintain our Aids to Navigation for the benefit and safety of all Mariners.

Annexe 1: Marine Licence Application for Construction Projects

Marine Licence Application for Construction Projects

Version 1.0

Marine (Scotland) Act 2010

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Section 54 of the Marine (Scotland) Act 2010, all information contained within and provided in support of this application will be placed on a Public Register. There are no national security grounds for application information not going on the Register under the 2010 Act.

Public Register

Do you consider that any of the information contained within or provided in support of this application should not be disclosed:

- (a) for reasons of national security; YES ☐ NO ☐
- (b) for reasons of confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? 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.

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.

Target duration for determination is 14 weeks. Please note that missing or erroneous information in your application and complications resulting from consultation may result in the application being refused or delayed.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

Declaration

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

Signature [Redacted]

Date

Name in BLOCK LETTERS

Application Check List

Please check that you provide all relevant information in support of your application, including but not limited to the following:

- Completed and signed application form ☐
- Project Drawings ☐
- Maps/Charts ☐
- Co-ordinates of the boundary points of the area of harbour jurisdiction (if you are a statutory harbour authority) ☐
- Method Statement ☐
- Photographs of the location of the project ☐
- Additional information e.g. consultation correspondence (if applicable) ☐
- Noise Registry – Initial Registration Form (if applicable) ☐
- Pre-application Report (if applicable) ☐
- Environmental Statement (if applicable) ☐
- Payment (if paying by cheque) ☐

1. Applicant Details

Title: Initials: Surname:

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

Statutory Harbour Authority? YES ☐ NO ☐

If **YES**, please provide a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the area of harbour jurisdiction using Appendix 01 Additional Co-ordinates form if necessary.

2. Agent Details (if any)

Title: Initials: Surname:

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

3. Payment

Enclosed Cheque ☐ Invoice ☐

Contact and address to send invoice to:

Applicant ☐ Agent ☐ Other ☐

If **OTHER**, please provide contact details:

Title: Initials: Surname:

Address:

Email:

4. Application Type

Is this application for a new construction site or an existing construction site:

New Site ☐ Existing Site ☐

If an **EXISTING SITE**, please provide the consent/licence number and expiry date:

Consent/Licence Number	Expiry Date

5. Project Details

(a) Brief description of the project (e.g. construction of a new sea outfall):

(b) Total area of the proposed works (in square metres):

m²

(c) Proposed start date (**Target duration for determination of a marine licence application is 14 weeks**):

(d) Proposed completion date:

(e) Cost of the works seawards of the tidal limit of MHWS:

£

(f) Location:

Latitude and Longitude co-ordinates (WGS84) defining the extent of the project (continue on Appendix 01 Additional Co-ordinates form if necessary):

Latitude										Longitude									
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W
		°			.				' N				°			.			' W

(g) Is the project located within the jurisdiction of a statutory harbour authority? YES ☐ NO ☐

If **YES**, please specify statutory harbour authority:

(h) Method statement including schedule of work (continue on separate sheet if necessary):

(i) Potential impacts the works may have (including details of areas of concern e.g designated conservation and shellfish harvesting areas) and proposed mitigation in response to potential impacts (continue on separate sheet if necessary):

6. Deposits and/or Removals

(a) **Permanent** substance(s) or object(s) to be deposited and/or removed from below MHWS (continue on a separate sheet if necessary):

Type of Deposit/Removal	Deposits		Removals	
	Description	Quantity & Dimensions (metric)	Description	Quantity & Dimensions (metric)
Steel/Iron		No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Timber		No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Concrete		No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Plastic/Synthetic		m ²		m ²
Clay (< 0.004 mm)		Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Silt ($0.004 \leq \text{Silt} < 0.063$ mm)		Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Sand ($0.063 \leq \text{Sand} < 2.0$ mm)		Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Gravel ($2.00 \leq \text{Gravel} < 64.0$ mm)		Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Cobbles ($64.0 \leq \text{Cobbles} < 256.0$ mm)		Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Boulders (≥ 256.0 mm)		Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)

Pipe		Length (m)		Length (m)
		External Diameter (cm/m)		External Diameter (cm/m)
Other (please describe below):				

(b) Method of delivery of substance(s) or object(s):

(c) For work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the substance(s) or object(s) to be deposited:

Quantity (tonnes):

tonnes

Nature of substance(s) or object(s) (e.g. sand, silt, gravel etc.):

Source (if sea dredged state location of origin)

Particle size:

Have the substance(s) or object(s) been chemically analysed?
If YES, please include the analysis data with your application

YES ☐ NO ☐

(d) **Temporary** substance(s) or object(s) to be deposited below MHWS (continue on a separate sheet if necessary):

Type of Deposit	Description	Quantity & Dimensions (metric)
Steel/Iron		No.
		Dimensions
		Weight (kg/tonnes)
Timber	(20m ² Holy Island + 30m ² Fladda)	No.
		Dimensions
		Weight (kg/tonnes)



Concrete		No.
		Dimensions
		Weight (kg/tonnes)
Plastic/Synthetic		m ²
Clay (< 0.004 mm)		Volume (m ³)
		Weight (kg/tonnes)
Silt ($0.004 \leq \text{Silt} < 0.063$ mm)		Volume (m ³)
		Weight (kg/tonnes)
Sand ($0.063 \leq \text{Sand} < 2.0$ mm)		Volume (m ³)
		Weight (kg/tonnes)
Gravel ($2.00 \leq \text{Gravel} < 64.0$ mm)		Volume (m ³)
		Weight (kg/tonnes)
Cobbles ($64.0 \leq \text{Cobbles} < 256.0$ mm)		Volume (m ³)
		Weight (kg/tonnes)
Boulders (≥ 256.0 mm)		Volume (m ³)
		Weight (kg/tonnes)
Pipe		Length (m)
		External Diameter (cm/m)
Other (please describe below):		

7. Disposal of Dredged Substance(s) or Object(s) at Sea

(a) Do you intend to apply for a marine licence for sea disposal of dredged substance(s) or object(s) as part of the project?

YES ☐ NO ☐

If **YES**, please specify nature of substance(s) or object(s) (e.g sand, gravel, silt, clay, rock etc.):

(b) Quantity of substance(s) or object(s) (wet tonnes):

wet tonnes

A separate marine licence application will be required to be submitted for sea disposal.



8. Noise Monitoring

Will loud, low to mid frequency (10Hz to 10kHz) impulsive noise be produced by the project?

YES ☐ NO ☐

If **YES**, which please indicate the noise generating activities and sound frequencies:

Noise Generating Activity	Sound Frequency (Hertz)
Use of Explosives	
Use of Acoustic Deterrent Devices	
Piling	
Other (please describe below):	

If you have ticked **YES**, please complete the Noise Registry – Initial Registration form located at:
<http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction>

Marine licence applications will not be accepted until this form has been completed and submitted.

9. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

10. Scotland's National Marine Plan

Have you considered the application with reference to Scotland's National Marine Plan?

YES ☐ NO ☐

If **YES**, provide details of considerations made with reference to the policies, including but not limited to General Policies 7 and 13 (GEN 7 and GEN 13), that have been considered:

If **NO**, please provide an explanation of why you haven't considered the National Marine Plan?

11. Pre-Application Consultation

Is the application subject to pre-application consultation, under The Marine Licensing (Pre-application Consultation) (Scotland) Regulations 2013?

YES ☐ NO ☐

If **YES**, please indicate the date of the public notice for the pre-application consultation event and the type of consultation event held (a copy of the public notice must be supplied with this application):

Event Type	Date

12. Consultation

List all bodies you have consulted and provide copies of correspondence:

--

13. Environmental Assessment

(a) Does the project fall under Annex I or II of the EIA Directive?

Annex I ☐Annex II ☐Neither ☐

If **ANNEX I** or **ANNEX II**, please provide the screening opinion issued to you in relation to the project.

(b) Has an EIA been undertaken:

for the marine licence application to which this application relates
for any other EIA regulator (e.g local authority)

YES ☐ NO ☐

YES ☐ NO ☐

14. Associated Works

Provide details of other related marine projects, including reference/licence numbers (if applicable):

--

Appendix 01 - Marine Licence Application Additional Co-ordinates

Please use this appendix to provide any additional latitude and longitude co-ordinates (WGS84) for your marine licence application. Please identify the location details and provide exact latitude and longitude co-ordinates (WGS84).

[illegible]

