

Application for a Band 1 Marine Licence

Project description

Project name

River Dee Beeches Drain Outfall

Please provide a brief description of the proposed project, including location.

Beeches Drain outfall forms part of the raised tidal defence (known as Hawarden Embankment) on the canalised section of the River Dee downstream of Chester, OS grid ref is SJ 3532 6670.

The structure was built in 1939 and formed part of the tidal defence securing the large land reclamation scheme to re-align the Dee in the 18th Century. The areas of Saltney Ferry, Sandycroft & Queensferry are found behind this defence. A flood risk model recently showed that there were significant numbers of property at risk of flooding if this structure was to fail.

A structural inspection carried out in December 2020 highlighted the poor condition of both the outer flap valve (tidal door) and inner or secondary flap valve. The secondary (inner) valve had failed as a defence having seized in an open position and having a 300mm hole in the door. As a result this was replaced by a new penstock on the outside wall of the inlet chamber which was completed in 2022.

It is now proposed to replace the outer flap valve with new side hung doors that are more efficient in discharging fluvial flows as well as improving the hydrological connectivity to inter-tidal areas which benefits fish passage. Further information is provided in the enclosed scope/method statement.

Applicant details

To whom the licence will be issued. This must be a legal entity such as an individual, registered company/ charity or public body.

Title	Mr
Full name	Robert Green
Company or trading name	Natural Resources Wales
Company Registration Number (if applicable)	n/a
Name of contact or individual (if different)	Robert Green
Position in company	Senior Engineer - Integrated Engineering
Address (provide registered company address if applicable)	Natural Resources Wales - Rhuddlan Office Abergele Road Rhuddlan, Denbighshire
Postcode	LL18 5UE
Telephone number	07468 742434
Email address	robert.green@cyfoethnaturiolcymru.gov.uk

Details of agent, contractor, vehicles and/or vessels used to carry out works

Does the applicant wish to be included in all correspondence?
Yes

Will the works require the use of vessels?
No

Will the works require the use of any vehicles?
Yes

Proposed project details

Licensable period	
Determination of applications will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the requested licence expiry date you may be required to submit a new application. Including a contingency period within your original application does not impact on the licence fee.	
Start date (DD/MM/YYYY)	13/11/2023
Requested licence expiry date (DD/MM/YYYY)	29/11/2024

Please detail the location of the proposed project.
This should be either Ordnance Survey National Grid Reference (i.e. SN 12345 67890) or Latitude and Longitude in decimal degrees to 4 decimal places (i.e. Lat 52.1234 Long -4.1234), defining the extent of the project. Please specify which coordinate system has been used and if using GIS co-ordinates, specify which projection has been used.
OS Grid Ref: SJ 3532 6670

Method statement

Are the works within a sensitive area or one of the following activities: boreholes, replacement piles or beach management?
Yes

Band 1 method statement template

You can upload your method statement here or fill in the questions below.

- File: Outline Scope - Beeches Drain Tidal Door Replacement - Floc Mats Option.docx - [Download](#)

Additional information

Please list any additional information that may help with the application:
Consents/permissions required List of plans or drawings attached to method statement
Emergency procedures Contact details

HRA completed by internal Environment Assessment Officer and accepted by Protected Sites team.
Also confirmed that these works can progress under an existing 28H assent for all maintenance works along the Tidal Dee.

Materials of the project

Description of materials to be deposited seaward of Mean High Water Springs (MHWS)
(Please tick all that apply)

Iron/steel

Plastic/synthetics

Delivery method of materials to site

If sea delivery, details of vessels to be used with a chart of proposed route and transshipment area is required. If delivery is by vehicle, the details about the proposed access route are required. Please indicate if you are providing details in a separate file.

Delivery from land only.

Will the works involve removals seaward of MHWS?

No

Additional information

Please provide the following:

You must include a suitably scaled extract of an Ordnance Survey Map or Admiralty Chart with location of project complete with north arrow and scale

If applicable, any construction plans and sectional drawings showing those proposed works below/seaward of MHWS, which should give details of the materials to be used (for beach replenishment the quantity, particle size and source of material to be deposited and deposit location is also required)

You must include details of correspondence with MCA, Trinity House and The Crown Estate

You must include any pre application advice/correspondence with NRW

Please upload these below

- File: Beeches Location Plan.pdf - [Download](#)
- File: 17683-M - ASHD-ND-assembly.pdf - [Download](#)
- File: Beeches Outfall - Consultation Summary.docx - [Download](#)

Please list below all supporting documents that have been submitted with this application.

Outline Scope/Method Statement

Location Plan

Details of proposed new doors

Consultation Summary

Statutory powers

Does the applicant have statutory powers to consent any aspect of the project? e.g. coast protection authority, dredging powers, statutory undertakers

Yes

If yes, please give details and state the relevant legislation that gives these powers.

Internal application for addressing flood risk. NRW are the risk management authority for main river flood risk and have powers under the Water Resources Act 1991.

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:

	Yes	No
Would be contrary to the interest of National Security?		X
Would prejudice to an unreasonable degree you, or some other person's commercial interest or those of a third party?		X

Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and supporting documentation is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information. This could invalidate any licence granted.

Name Robert Green
Date 08/09/2023
Position in company Senior Engineer - Integrated Engineering

If you would like a copy of your completed form, please add your preferred email address below:

robert.green@cyfoethnaturiolcymru.gov.uk