

# Form WRE: Application for a new impoundment licence, technical variation to an impoundment licence or the removal of an existing impoundment

Reference number (The number you generated in form WRA). Example: WRNATURALRESOURCESWALES1101

WRNATURALRESOURCESWALES1611

Are you applying for a licence for a new impoundment or an existing impoundment

a new impoundment

Impoundment details

All information should correspond with any maps and drawings submitted with this application

	Impoundment location name/reference	Left bank National Grid Reference	Right bank National Grid Reference
	ERBISTOCK WEIR	SJ3543942180	SJ3545142145
	-	-	-
	-	-	-

Provide details about the type of impoundment you propose to construct at the points specified above and how the works will operate. This should include a description of any existing works and how your proposal will affect the flow of inland water.

Tell us the purpose of the works. If the water is to be impounded for more than one purpose, list both the primary and secondary purpose

Erbistock weir lies within a Special Area of Conservation and is associated with a historic mill which is currently used as a holiday let. The weir is approximately 2.5m high and 70m wide, placed at an angle so that the flow exits on a bend in the river. There is an existing baulk fish pass which is in poor condition and modified concrete slope on the right bank of the weir.

The structure is not listed.

There is a breach in the downstream face that has occurred in the last few years.

The scheme aims to improve fish passage and restore geomorphological processes in the Dee by partially removing approximately 50% of the width of Erbistock weir towards the centre and right of the structure down to bed level, to improve the longitudinal ecosystem connectivity and to maintain the remaining section of weir on the left bank for the landowner.

Ref to AECOM report for further details.

## Description of impoundment

Name of watercourse

River Dee

Will your proposed impoundment result in a change to the submerged area (downstream) or new submerged areas behind (upstream of) the impounding works?  
(If yes, ensure this is shown on any map or drawings submitted)

Yes

Will the ponded area created by the impoundment be lined?

No

Give the height of the impoundment structure, from the downstream toe to crest or top of spillway (in metres above Ordnance Datum). If the proposal involves an existing impoundment, state the change in height (in millimetres).

Approx 2500mm

What is the overflow or crest level of the impoundment (in metres above Ordnance Datum)?

Existing crest level 21mAOD

Will the proposal create a raised reservoir?

(A raised reservoir is one where water is stored at a level above the natural level of the lowest level of the surrounding area.)

No

What is the proposed capacity of the impoundment when full to spillway level (in cubic metres)?

N/A

Does the proposal involve the controlled release of water to safeguard downstream flows?

This could be the release of flood attenuation flows, reservoir compensation flows or a residual flow via a notch or orifice.

No

Is the impounded water to be used for a subsequent purpose?

No

How will the impounded area be filled initially, and subsequently refilled if applicable?

Example: by rainwater, overland flow or pumped from another source.

N/A

## Fish and eel passage

Confirm the fish species present at your site.

Salmonids, eel, bullhead, lamprey and all coarse fish present in Dee.

Please confirm type of fish screen

**Intake** N/A

**Outfall** N/A

Please confirm screen height and width - intake (millimetres)

**Width** N/A

**Height** N/A

Please confirm screen height and width - outfall (millimetres)

**Width** N/A

**Height** N/A

Please confirm screen aperture size (millimetres)

**Intake** N/A

**Outfall** N/A

Please confirm type of upstream fish/eel passage intake

N/A

Please confirm type of downstream fish/eel passage

N/A

Please confirm proposed flow for fish pass

N/A

## Construction, maintenance and operation

Provide details of maintenance or activities relating to the operation of the impoundment. Include the extent and frequency of activities. This could include the operation of scour valves or maintenance of a fish pass.

Describe any sediment management plan associated with the impoundment.

Removal of the weir will restore channel to original width/state. No future maintenance is envisaged at weir removal site.

Further investigation into the riverbanks in the currently impounded area will be undertaken at the detailed design stage.

Do you intend to divert the flow of the inland water while you are building, changing or removing the impounding works?

Yes

How do you intend to divert the flow of the inland water while you are building, changing or removing the impounding works. Give details.

Staged work will be done with the use of a coffer dam. Full details in AECOM method statement.

## Proposed Design of Structure

Upload design drawings and calculations here. (Spreadsheet file formats need to be: .xls, .xlsx, or .ods)

- File: Design drawings.pdf - [Download](#)

Please upload your stage 1 geomorphology photosurvey. Find out more on how to complete your survey on our Geomorphology Photosurveys for Hydropower developments page

- File: Supporting Document - Oliver Lowe Geomorph survey.docx - [Download](#)

## Other permissions

Planning permission advice received?

Yes

Is planning permission required?

Yes

What is the status of the planning permission?

Not Submitted

Planning permission reference

Submitted in next few weeks

Have you applied for or do you hold a Flood Risk Activity Permit (FRAP) for the proposed works?

No

## Commercial confidentiality and national security

Are you applying for Commercial Confidentiality?

No

Have you applied to the Welsh Ministers for national security for your application?

No

## Declaration

By signing below, you are declaring that, to the best of your knowledge; the information given in this form, on any map and in any supporting or additional information; is true.

**Signed** L C Rawlinson

**Print name** Lyndsey Rawlinson

**Position** Head of NE Ops

If you need to submit additional signatures, please upload here in a separate document.

- File: form-wre (2).docx - [Download](#)

Date

\* 17/11/2022

## GDPR, National Security, and Commercial Confidentiality

Only tick the box below if you wish to claim confidentiality for your application.

Please treat the information in my application as confidential

Would you like a copy of your submission?

Yes

Your email address

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