

# 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

WRPANTYFFYNNONREMOVAL 祿 1 畛 NR

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

removal of an 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
	Rosina Weir	SN 62155 10711	SN 62147 10705
	-	-	-
	-	-	-

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

The proposed works are to remove the existing Rosina Weir, Pantyffynnon River Loughor. It is a minor impounding structure, however has the capacity to delay and prevent upstream & downstream migration of fish and eels, therefore removal has been requested. This removal will compliment further upstream work being undertaken by WWRT & NRW in the catchment above this weir.

## Description of impoundment

Name of watercourse

River Loughor

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)

No

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).

500mm less height when centre is removed

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

0.5m

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 to removal

## Fish and eel passage

Confirm the fish species present at your site.

Trout, Salmon, Bullhead, Lamprey & Eels

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.

A series of sediment traps attached to frames along with booms will be installed across at least 3 strategic sites downstream of the structure due for removal.

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

No

## Proposed Design of Structure

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

- File: PW1.4 Weir removal designs.docx - [Download](#)

## Other permissions

Planning permission advice received?

No

Is planning permission required?

No

What is the status of the planning permission?

Not required

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

Yes

Please give permit/permit application reference number

DFR/S/2021/0237

## 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** Nathaniel James

**Print name** Nathaniel James

**Position** Project Officer

**Date**

\* 11/05/2022

Would you like a copy of your submission?

Yes

**Your email address**

nathaniel@westwalesrivertrust.org