

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

WRWMJONES&CO2110

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

alteration to an existing 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
	Intake	SH 62171 56942	SH 62171 56942
	-	-	-
	-	-	-

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

This is an existing hydropower impoundment. It was commissioned in 2015. It has been operating since then under the impoundment licence WA/065/0016/016. Following the death of the licence holder, NRW have insisted that an application be made for a new impoundment licence. This is the purpose of this application. No changes are proposed to the existing impoundment.

Description of impoundment

Name of watercourse

Afon Gennog

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).

Downstream toe 258.050mAOD, Crest of coanda 260.000mAOD (i.e. overall height 1.950m)

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

260.000mAOD

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)?

36

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.

Yes

Tell us what the proposed flow at the outlet will be and how you intend to measure this. If the works involve monitoring of levels or flows, include details of this.

As existing. No changes to the impoundment are proposed. The 'hands off flow' V-notch discharges 14l/s (Q95). No abstraction occurs until the flow in the watercourse exceeds 14l/s.

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

Yes

Provide details of subsequent purpose (for abstractions, state the daily and annual quantities in cubic metres).

As existing. No changes proposed.
Purpose: Hydropower
From existing abstraction licence:
16,416 cubic metres per day.
5,991,840 cubic metres per year.

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 - The impoundment was built in 2015. No changes to it are proposed.

Fish and eel passage

Confirm the fish species present at your site.

Unkown

Please confirm type of fish screen

Intake Coanda

Outfall Vertical bar

Please confirm screen height and width - intake (millimetres)

Width 3040

Height 700

Please confirm screen height and width - outfall (millimetres)

Width 1100

Height 335

Please confirm screen aperture size (millimetres)

Intake 2

Outfall 10

Please confirm type of upstream fish/eel passage intake

None

Please confirm type of downstream fish/eel passage

Plunge pool

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.

When gravel builds up behind the 'Hands Off Flow' notch it is moved downstream, by hand. There is only a very slow build up, so the work can be done by one person with a shovel. The gravel is very clean, containing very little silt. So, moving it downstream causes very little change in water quality.

The coanda screen very occasionally needs brushing with a nylon brush to remove algae.

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: 130817MP05-V3 Afon Gennog Weir GA and Nomenclature.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 (opens in new tab)

- File: Afon Gennog Geomorphological Statement V2.pdf - [Download](#)

Other permissions

Planning permission advice received?

Yes

Is planning permission required?

Yes

What is the status of the planning permission?

Approved

Planning permission reference

NP3/15/216

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

LDC/116/131018/AW

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 Sylvia Jones

Print name Sylvia Jones

Position Partner

Date

* 22/10/2025

Submit your application

Enter your email address to get a copy of your application

sylv0762@icloud.com