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

WRHYDROMATCH1007

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
	Clogwyn HEP Intake	SH 61773 47209	SH 61773 47209
	-	-	-
	-	-	-

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

Existing intake which was installed in 2016. Technical variation to update design held at NRW

Description of impoundment

Name of watercourse

Unnamed tributary of River Nanmor

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).

1220

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

196.0 mAOD

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)?

2

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.

60/40 flow split via partitioned weir crest
HoF via orrifice beneath screen

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.

overland flow

Fish and eel passage

Confirm the fish species present at your site.

None

Please confirm type of fish screen

Intake Coanda 1mm screen

Outfall mesh and timber baffle

Please confirm screen height and width - intake (millimetres)

Width 1000

Height 450

Please confirm screen height and width - outfall (millimetres)

Width 300

Height 300

Please confirm screen aperture size (millimetres)

Intake 1mm

Outfall 20mm

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.

Annual removal of screen and cleaning of sump chamber
No sedimentation observed upstream of intake during previous 9 years of operation (orginal bed level is still visible)

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: 326 A.03 Intake sections 1_40 A3 v2.pdf - Download
- File: 326 A.02 Layout Plan Intake 1_100 A3.pdf - Download
- File: 326 Clogwyn Abstraction graphs and HOF.pdf - Download
- File: 326 A.04 Intake A v3.pdf - Download
- File: HM design85m 26ls.pdf - Download
- File: 326 A.01 Layout Plan 1_1000 A3.pdf - Download
- File: KM-C40651884.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: HM 326 Geomorphology Photo Survey 1_1.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
NP2/11/684 and NP2/11/684a

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 P Maher **Print name** Phil Maher **Position** Director, Hydromatch Ltd

Date
* 23/11/2025

Submit your application

Enter your email address to get a copy of your application
phil@hydromatch.co.uk