

Apply to renew or change an abstraction or impoundment licence (WRI)

Type of variation/renewal

Indicate the change(s) you wish to make to your licence(s) here.

Extension of a self-destruct clause

Same terms renewal (where no environmental or other concerns have been raised in your renewal reminder letter)

The licence(s) you want to change/renew

Provide the licence serial number(s) which the proposed change/renewal relates to

WA/056/0041/003

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Application fee

Please indicate how you wish to pay your application fee. If paying by BACS, please quote the reference number created when setting up the bank transfer.

If paying by cheque, please ensure you add the six digit cheque number below.

Credit or debit card

Is this proposal as a result of a Restoring Sustainable Abstraction programme or other work remediation work, to prevent and reduce environmental damage requested by us?

No

Are you making this application as part of an agreement to trade water rights? Water rights trading is where a Licence Holder sells all or part of their abstraction licence rights, permanently or temporarily, to another person.

No

Provide details below

Water will be abstracted for the purpose of power production.

Existing Licence Holder details

Provide details of the existing Licence Holder.

Full Name	Huw Morgan, Ceri Morgan and Eurin Morgan
Company, Charity or Trading Name	Pwll Hydro Ltd
Company or Charity Registration Number	08984458

Registered Address

Building and street	Y Hen Beudy Talybont-on-Usk
Town and City	Brecon
County	Powys
Postcode	LD37YS
Office Telephone Number	01874676564
Mobile Telephone Number	07535900348
Email Address	morganhuw300@gmail.com

Details of individual or agent authorised to act as a point of contact

This is who we will correspond with unless otherwise informed. If an agent signs on behalf of an applicant, a letter of authorisation from the applicant is required

Full Name	Huw Morgan
Company, Charity or Trading Name	Pwll Hydro Ltd
Company or Charity Registration Number	08984458

Registered Address

Building and street	Y Hen Beudy Talybont-on-Usk
Town and City	Brecon
County	Powys
Postcode	LD3 7YS
Office Telephone Number	01874676564
Mobile Telephone Number	07535900348
Email Address	morganhuw300@gmail.com

Specify who we should contact with regard to

	Applicant	Agent
Operations (on site) contact	X	
Invoice contact	X	

Are you applying to apportion your licence? Find an explanation of apportionment on our website.

No

Are you applying for a simple change?

Yes

Simple Change(s)

Provide details of the simple change(s) you wish to make and the reasons for this change. You should state what aspect of the current licence you wish to amend in the first column, the change you propose in the second column and the reason for this change in the third column. Complete one row for each change(s) proposed.

	Current licence	Change proposed	Reason for change
	Trading as Pwll yr Hwyaidd Farm	Pwll Hydro Ltd	Company name rather than farm name
	-	-	-
	-	-	-

Same terms renewal

Are you applying for a same terms renewal?

Yes

Use this section to show us how you have calculated the amount of water you require. This should include details of your operational regime (for example, number of hours and days you intend to abstract, number of units produced or area to be irrigated). We use this information to determine if the volumes you propose to abstract are appropriate for the purpose. Depending which industry you are in, you may need to provide additional information below.

If your water usage has been lower than your licensed volumes, you will need to provide additional information to demonstrate your continued need for the water, for example, additional justification or a Business Case.

The purpose of abstraction is for hydropower production not exceeding 1,608,336 cubic metres per year, and is only taken when there is sufficient water in the stream (flow rate greater than 11 litres per second).

All water abstracted and returned to the Cwm Cwy stream.

The attached documentation show the following;

1. Current Licence
 - 1a. System Specification Summary
2. Pwll Hydro Catchment Area
3. Calculation for the average depleted reach. Please note: despite the <10% gradient, the stream is clearly an upper catchment stream (Zone 3), with a small catchment area typical of a headwater tributary in a deep V shaped valley.
4. Long-term average rainfall. The nearest long-term weather station used by the Met Office is in Tredegar which is 13.6km south of the catchment area at a lower altitude, which suggests our site would have a slightly higher rainfall.
5. Abstraction returns. This page shows a summary of the cumecs of water abstracted from 2019 to 2025, significantly under the 1,608,336 cumecs annual limit.

Additional document. (Spreadsheet file formats need to be: .xls, .xlsx, or .ods)

- File: 1. Current Abstraction Licence.pdf - [Download](#)
- File: 1a. System Specification Summary.pdf - [Download](#)
- File: 2. Pwll Hydro Catchment Area.pdf - [Download](#)
- File: 3. Average gradient depleted reach (Zone 3).pdf - [Download](#)
- File: 4. Long-term average rainfall.pdf - [Download](#)
- File: 5. Abstraction returns.pdf - [Download](#)

	% abstraction and zone applied for	Average gradient of depleted reach (%)	Catchment size above abstraction point (kilometres squared)	Net head between abstraction and discharge points (metres)
	70% Zone 3	7.1	1.35	106.8

	Turbine efficiency (%)	System efficiency (%)	Maximum power output (kilowatts)	Annual capacity (kilowatt hours)
	95	85.7	401181.34	159842

State the length of depleted reach (in metres)

1700

Provide the flow data (in cubic metres per second) & ratios specified below:

Q95 0.00306

Q10 0.00612

Qmean 0.0612

What is the ratio of Q95:Qmean? 0.5

What is the ratio of Q10:Qmean? 10

What low flow protection (Low flow protection is the flow rate above which abstraction can begin and is separate to the abstraction % take) do you propose to maintain in the depleted reach when the hydropower scheme is operating (in m³/s)?

0.011

Provide details of what measures you provide to ensure efficient use of water. This could include water storage, re-use or recirculation, monitoring and checking for leaks, undertaking water audits or other industry specific good practise.

Hydro turbine is monitored weekly for leaks (daily during high discharge).
Annual service of the turbine.

Different terms renewal

Are you applying for a different terms renewal

No

Signatures: existing Licence Holder (for all changes), and proposed Licence Holder(s) for Transfers and Apportionments

Existing Licence Holder's signature

Full Name Eurin Morgan

Position Director

Signature E Morgan

Date 9/4/2025

Would you like a copy of your submission?

Yes

Your email address

morganhuw300@gmail.com