

Apply to renew or change an abstraction or impoundment licence

Type of variation/renewal

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

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

WA0610001005

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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

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

hydro electric scheme licence renewal simple with no variation or any issues

Existing Licence Holder details

Provide details of the existing Licence Holder.

Full Name john david davis

Company, Charity or Trading Name none

Company or Charity Registration Number none

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.

all this information should be in the original application as nothing has changed since then

the hydro intake covers half the stream so 50% abstraction minus the Q95 flow via a notch in the concrete

the actual abstraction is linked to the amount of rainfall and could roughly be indicated by the amount of power generated

| | % 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) |
|--|---|---|--|---|
| | 50 | 16% | 1.4 | 32 |

| | Turbine efficiency (%) | System efficiency (%) | Maximum power output (kilowatts) | Annual capacity (kilowatt hours) |
|--|-------------------------------|------------------------------|---|---|
| | 90% | 70% | 5.5kw | 24,000 |

State the length of depleted reach (in metres)

200

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

Q95 4.68
Q10 79.2
Qmean 36
What is the ratio of Q95:Qmean? 0.13
What is the ratio of Q10:Qmean? 2.2

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)?

0.00468 (4.68l/s)

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.

make sure intake does not leak with visual inspection and repair when necessary

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 john david davis

Position n/a

Signature john davies

Date 20/11/24

Proposed new Licence Holder's signature, if applicable

Full Name john david davis

Position n/a

Signature john davies

Date 20/11/24

Would you like a copy of your submission?

Yes

Your email address

jamiemashe@gmail.com