

Form WRD: Application for a new abstraction licence or a technical variation to an abstraction licence

Application type

Reference number (The number you generated in form WRA). Example:
WRNATURALRESOURCESWALES1101

WRSTATKRAFTENERGYLTD2710

For hydropower abstractions, specify the capacity (in kilowatts) of your scheme.

>100kW

Are there any applications currently being assessed by us that are linked to this application?

No

Is the proposed abstraction going to be aggregated with another existing abstraction?

No

Are any applications, at the same site; being assessed by the Environment Agency?

No

Tell us when you want your abstraction licence to end: [DD/MM/YY]

no end date

If you require a shorter or longer duration licence, please provide details and your justification

Remain in force until revoked under the 1955 North Wales Hydro Act

Submit additional details if required

- File: 23649003 Hengwn & Bugeilyn Determination Abstraction Licence Signed PDF R.pdf - [Download](#)

Abstraction details

Abstraction location name/reference

Hengwm (North)

Abstraction point type
Single point

National Grid Reference
SN7824292862

Downstream National Grid Reference (If abstracting from a reach), or corners of the area.
SN7872492614 - - -

Do you have any further points of abstraction?
Yes

Abstraction details - Further points

Abstraction location name/reference
Bugeilyn

Abstraction point type
Single point

National Grid Reference
SN8098492921

Downstream National Grid Reference (If abstracting from a reach), or corners of the area.
SN8223592009 - - -

Do you have any further points of abstraction?
No

Abstraction details - Further points

Abstraction location name/reference
Bugeilyn
Abstraction point type
Single point
National Grid Reference
SN8098492921

Means of abstraction

If necessary, continue on a separate sheet and upload below.
<ul style="list-style-type: none"> File: 2727 C 716 GENERAL PLAN.pdf - Download File: 2727 C 724 TYPICAL DETAILS OF PIPE AQUEDUCTS.pdf - Download File: 2727 C 775 NORTHERN AQUEDUCTS-TYPICAL DETAILS OF AQUEDUCTS.pdf - Download

Abstraction quantities

Abstraction location name/reference
Hemgwm (North)
What purpose will the water be used for?
Transfer of water to Nant y Moch Reservoir at National Grid Reference SN 75360 86200 and subsequent re-abstraced as authorised by licence serial number 22/63/1/0024 Variation 1 for the generation of electricity.
Period of abstraction Will it be all year?
Yes
Maximum quantities (cubic metres)
Annual 3 000 000 Daily 30 000 Hourly 1250
Peak abstraction rate (in litres per second)
0.347

Number of hours of abstraction per day

24

Add quantities for another location?

No

Calculations and supporting information

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 proposal involves the provision of a residual flow via a notch or orifice, provide information on how this is being calculated. This should include details of the equation being used.

See current licence No 23/64/ 9/0003 for all Calculations and Supporting Information, as these remain unchanged.

Means of measurement

State how you intend to measure the quantity of water you abstract. You do not need to do this for a temporary or transfer licence.

Meter

Water efficiency

Provide details of what measures you provide or intend to implement, 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 practice.

All of the abstracted water flows into the Nant y Moch reservoir for subsequent re-abstraction as authorised by licence serial number 22/63/1/0024 Variation 1 for generating Hydro-electric power

Other abstractors / water users

Provide details of nearby abstractors or users of water who could be affected by your proposal. This should include deregulated users (exempt activities or abstractions < 20 cubic metres per day), anglers and canoeists.
Your local authority's environmental health will hold details of exempt domestic abstractors.

All of the abstracted water flows into the Nant y Moch reservoir for subsequent re-abstraction as authorised by licence serial number 22/63/1/0024 Variation 1 for generating Hydro-electric power

Planning application

Have you sought advice on your planning 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 Dennis Geyermann

Print name Dennis Geyermann

position Statkraft Energy Limited Director

If an agent is to sign on behalf of the Licence Holder, a letter of authorisation from the Licence Holder is required.

- File: Letter of authorisation for NRW 10_2021.pdf - [Download](#)

Date

* 27/10/2021

Would you like a copy of your submission?

Yes

Your email address

gareth.jones@statkraft.com