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
WRHYDROGEO0402

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

Abstraction details

Abstraction location name/reference
Celliwig Spring

Abstraction point type
Single point

National Grid Reference
SO 27442 15687

Do you have any further points of abstraction?
No

Means of abstraction

Provide full details of the equipment you propose to use to abstract water, such as maximum pump capacity and any relevant dimensions, e.g. pipe diameter. For groundwater abstractions, include details about the borehole (depth and diameter) and details of screening and lining.

Full design to be undertaken following pre-application.

No pump required.
Spring to be captured for use on-site at the surface.
A structure will be constructed to control water take to ensure that existing water users (two water troughs) receive continued supply and that only the licensed volume of water is captured.
The spring is known to flow all year round at quantities exceeding the volumes sought for licensing.
A continuous capture of 35m3/d per 24 hour period for 7 days a week to a holding tank to be used as needed.

Abstraction quantities

Abstraction location name/reference

Celliwig Spring

What purpose will the water be used for?

Domestic use and soft drinks

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

Annual 13140

Daily 36

Hourly 1.5

Peak abstraction rate (in litres per second)

0.42

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.

Maximum amounts required for soft drinks enterprise.
Currently proposed to be 250m3 over a working week.
This will be taken from a holding tank which will be continuously filled at a rate of 36m3/d captured from the spring.

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.

This would be a new operation with the highest quality of design to ensure efficient use of water.
Water will be captured continuously to avoid periods of high volume capture, equipment will also be checked for leaks/maintenance issues.

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.

The spring is currently described on the farm plans as a Private Water Supply, this water is used to supply field water troughs for livestock.
No other water users are noted to be reliant on the spring.
The spring water flows into a ditch later flowing beneath the road to the south and joining other watercourses before entering the river.
Additionally, flow measurements undertaken in 19 August 2021 record a flow of 153.936m3/d and 16 February 2022 as 193.704m3/d.
The relative volume of water being captured will not impact the river and the use of the area by anglers/public/etc.

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	David Dascombe
Print name	David Dascombe
position	Agent

If an agent is to sign on behalf of the Licence Holder, a letter of authorisation from the Licence Holder is required.
• File: Letter for HydroGeo.pdf - Download

Date
* 23/02/2022

Would you like a copy of your submission?
Yes

Your email address
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