

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

WRJADAVIESANDSONS2501

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]

31/12/204

Abstraction details

Abstraction location name/reference

Herbrandston Hall

Abstraction point type

Single point

National Grid Reference

SM18664 20716

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.

Mobile pump driven by a Diesel engine into 4 in pipes and reel irrigators

Abstraction quantities

Abstraction location name/reference

Herbrandston Hall

What purpose will the water be used for?

Spray irrigation

Period of abstraction Will it be all year?

No

Start Date: [DD/MM/YY]

25/01/2023

End Date: [DD/MM/YY]

31/12/2040

Maximum quantities (cubic metres)

Annual 6000

Daily 700

Hourly 50

Peak abstraction rate (in litres per second)

15

Number of hours of abstraction per day

18 (max)

Add quantities for another location?

Yes

Abstraction quantities - Another location

Abstraction location name/reference

Big Neeston, Herbrandston

What purpose will the water be used for?

Spray Irrigation

Period of abstraction Will it be all year?

No

Start Date: [DD/MM/YY]

25/01/2023

End Date: [DD/MM/YY]

31/12/2040

Maximum quantities (cubic metres)

Annual 2500

Daily 700

Hourly 50

Peak abstraction rate (in litres per second)

15

Number of hours of abstraction per day

18

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.

Herbranston Hall - 15 acres of potatoes given 3 inches of water over the season plus 30 acres of vegetables given half an inch to establish plants (leeks/cauliflowers)

Big Neeston - 10 acres of potatoes given 2 inches of water over the season plus 10 acres of vegetables given half an inch

Industry-specific requirements

For agricultural use

	Crop type	Soil type (for multiple soil types, indicate approximate split)	Maximum area of crop to be irrigated annually (hectares)	Maximum annual depth of irrigation to be applied (millimetres)
	potatoes	Old Red Sandstone	10	75
	vegetables	Old Red Sandstone	16	10
	-	-	-	-

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.

Other (please specify):
Area calculation

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.

The water is stored over winter in reservoirs built for the purpose

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 streams that provide the water drain very small catchments. I am not aware of any other abstractor who could be affected and in the case of the larger reservoir the water flows direct from my land into the sea

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 Howell Davies

Print name Howell Davies

position Partner

If you need to submit additional signatures, please upload here in a separate document.

- File: Abstraction licence declaration.pdf - [Download](#)

Date

* 25/01/2023

Would you like a copy of your submission?

Yes

Your email address

howellajdavies@gmail.com