

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

WRDolidreFarm2711

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

Dolidre Farm BH2

Abstraction point type

Single point

National Grid Reference

SO 11106 68014

Do you have any further points of abstraction?

Yes

Abstraction details - Further points

Abstraction location name/reference

Dolidre Farm BH1

Abstraction point type

Single point

National Grid Reference

SO 11007 67975

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.

See uploaded document '3_WRD Means of abstraction Dolidre.docx'

If necessary, continue on a separate sheet and upload below.

- File: 3_WRD Means of abstraction Dolidre.docx - [Download](#)

Abstraction quantities

Abstraction location name/reference

Dolidre Farm

What purpose will the water be used for?

Poultry drinking water

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

Annual 7343

Daily 42.9

Hourly 3.2

Peak abstraction rate (in litres per second)

1.3

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 attached file '4_WRD Calculating abstraction quantities.doc'

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

- File: 4_WRD Calculating abstraction quantities.docx - [Download](#)

Industry-specific requirements

For agricultural use

	Livestock type	Number of animals	Maximum daily quantity of water used (cubic metres)	Comments
	Poultry	140,000	39	The required volume increases with the maturity of the flock and there are periods when no water is used (e.g. the 7-day downtime between flocks, once the sheds have been washed). A growing cycle is typically 48 days, with 38 days of growth followed by 3 days washing and then a 7 day rest period.
	-	-	-	-
	-	-	-	-

Provide details of any additional requirements (washing / cleaning)

General washing of the poultry sheds is carried out after the end of the poultry cycle for a period of three days. The water use at this point is not metered.

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.

- A. Water monitoring is recorded automatically and manually each day.
- B Alarm system in place to mobile phones of managers if water pressure is not within set parameters which indicates a water leak or problem within the units
- C. Birds are inspected at least twice daily when all water equipment is visually inspected
- D. The site operates with an Environmental Permit and in doing so reviews water usage under it's compliance.

Discharge details

Provide a description of the structure and equipment involved in discharge.

The water use is mostly consumptive: the water is used as poultry drinking water, and at the end of each flock cycle, the sheds are washed and the resulting dirty water is spread on farmland, in line with the farm's Nutrient and Manure Management Plan.

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.

A hydrogeological impact appraisal has been undertaken on the abstraction. This included site investigation and assessment to ascertain the radius of influence around the boreholes (see Section 7.1 of the attached HIA). A water features survey within a 1 km radius was also carried out (see Section 4 of the attached HIA). The appraisal didn't identify any nearby abstractors or users of water who could be affected by the Dolidre Farm abstraction.

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 xx

Print name xx

position xx

Date

* 28/12/2023

Would you like a copy of your submission?

Yes

Your email address

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