

# 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

WRDolauHouseFarm2202

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

Dolau House Farm BH2

Abstraction point type

Single point

National Grid Reference

SO 14417 67223

Do you have any further points of abstraction?

Yes

## Abstraction details - Further points

Abstraction location name/reference
Dolau House Farm BH1
Abstraction point type
Single point
National Grid Reference
SO 14335 67095
Do you have any further points of abstraction?
Yes

## Abstraction details - Further points

Abstraction location name/reference
Dolau House Farm BH1
Abstraction point type
Single point
National Grid Reference
SO 14342 67090
Upload any additional points of abstraction below. (Spreadsheet file formats need to be: .xls, .xlsx, or .ods)
<ul style="list-style-type: none"> <li>File: WRD_BH location.xlsx - <a href="#">Download</a></li> </ul>

## 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 details in attached document - 'WRD Means of abstraction.docx'

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

- File: WRD Means of abstraction.docx - [Download](#)

## Abstraction quantities

Abstraction location name/reference

Dolau House Farm

What purpose will the water be used for?

Poultry (drinking and washdown)

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

**Annual** 14342

**Daily** 83

**Hourly** 18

Peak abstraction rate (in litres per second)

5

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 document - WRD Calculating abstraction quantities.docx

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

- File: 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	195,000	83	This is based on historic maximum plus 10 % for climate change. However, during sitework, when consumption was at its greatest, an average abstraction of 43 m3/d was required
	-	-	-	-
	-	-	-	-

Provide details of any additional requirements (washing / cleaning)

Estimates of washdown volumes, based on site work, are for 3 days washing at c.40m3/d (See table 5.4 in the report)

## 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.

Existing water efficiency measures

- Regular checking for leaks
- Meters read and recorded every morning. High readings investigated
- Storage tanks are used
- IPCC audits look at water use

## Discharge details

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

Poultry growth: the water use is consumptive (poultry drinking water)  
Water used to washdown the sheds is spread on fields within the farm.

## 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** Richard Watkins

**Print name** Richard Watkins

**position** Partner

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

- File: Signature.png - [Download](#)

Date

\* 27/02/2024

Would you like a copy of your submission?

Yes

Your email address

dolau.grower@outlook.com