



19 NOV 2018

Cardiff

Fill in this form if you are applying for a transitional water resources licence to continue a previously exempt abstraction.

This form is available in both English and Welsh. Please check that this is the latest version of the form available from our website before submitting your application.

Please ensure you use Guidance Note WRH to help you.

All relevant guidance documents can be found on our website.

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1. Application type and fee

1.1 Please select your application type from the list below.

- A new transitional water resources full abstraction licence for a previously exempt abstraction ☒
- A new transitional water resources transfer licence for a previously exempt abstraction ☐
- A variation to an existing full abstraction licence to add a previously exempt abstraction ☐
- A variation to an existing transfer licence to add a previously exempt abstraction ☐

1.2 Please indicate the amount and how you wish to pay your application

Amount paid

Cheque ☒

Credit or debit card ☐

BACS transfer ☐

BACS reference number

2 Applicant and agent details

This is the individual or organisation any resulting licence will be issued to, and must be a legal entity. If you are an agent acting on behalf of an applicant, provide their details here and yours in section 2.2.

2.1 Applicant details

Individual ☐

Public body ☐

Registered company ☐

Organisation or group of individuals ☒

Other ☐

If 'Other', please specify

Title

First name	Mark
Last name	Evans
Company, charity, body, or trading name (if relevant)	WBH/CAD Evans and Sons
Registered company or charity number (if relevant)	N/A
Address	Berry Hill Farm
	Newport
	Pembrokeshire
Postcode	SA42 0NN
Telephone - mobile	07817184869
Telephone - office	01239 820660
Email address	Markevans2006@aol.com

We will contact you by email unless you tick here. ☒

2.2 Agent details

This is who we will correspond with unless otherwise informed. If you are an agent applying on behalf of an applicant, please include a letter of authorisation from the applicant allowing you to act as signatory, and provide a reference for this document in the box below.

Document reference	Doc 1
Title	Mrs
First name	Rebecca
Last name	Jones
Company or trading name	KeBek Limited
Position in company	Director
Address	Tynant
	New Quay

	<div>Ceredigion</div>
	<div></div>
Postcode	<div>S45 9SA</div>
Telephone - mobile	<div>07901339662</div>
Telephone - office	<div></div>
Email address	<div>becky@kebek.co.uk</div>

We will contact you by email unless you tick here. ☐

2.3 Site operation contact

Please specify who we should contact with regard to your site operation.

Applicant ☒

Agent ☐

Other ☐ Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.

Document reference

N/A

2.4 Abstraction invoices and records contact

Please specify who we should contact for invoices and abstraction records (returns). Please note that these may not be not required for transfer licences.

Invoice address

Applicant ☒

Agent ☐

Other ☐ Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.

Document reference

N/A

Abstraction records

Applicant ☒

Agent ☐

Other ☐ Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.

Document reference

N/A

3. Site name

3.1 Please provide the site name below:

Site name

Berry Hill Farm

4. Entitlement to apply

4.1 Have you abstracted water between 01 January 2011 and 31 December 2017 for the activity which you are applying to be licensed?

Yes ☒

No ☐ Please see our water abstraction and impounding webpage for further information on the correct application forms.

4.2 What is your connection to the land where the abstraction takes place?

Please provide a map outlining your land ownership/occupation and include all abstractions and discharges where relevant.

Owner ☒

Occupier ☐

Document reference Doc 2

4.3 Do you have a legal right of access to the land where the abstraction takes place?

No ☐

Yes ☒ Please provide further detail in the box below. If necessary continue on a separate referenced document, and tell us this reference.

Document reference Doc2

Land forms part of Berry Hill Farm

5. Existing licence number(s)

If you are applying to change an existing licence please provide the licence number below.

Licence number(s) N/A

6. Cross border applications

As part of your site operation do you also abstract for a previously exempt activity in England?

No ☒

Yes ☐ Please provide detail of this cross border application in the box below. If possible, provide a reference or application number, or name of an Environment Agency contact with whom the application has been discussed.

Continue on a separate referenced sheet if necessary and tell us the reference for this document.

Document reference N/A

7. Abstraction details

7.1 Site map

Please provide a map with details of the location(s) you abstract water from (points reaches, or areas). Tell us the reference for this map, below.

Site map reference

Doc 3

7.2 Please tell us details about the location(s) you abstract water from (points reaches, or areas) in the tables below.

The abstraction location, name, or reference must be the same as those used on the site map, in question 7.1. If you need more space, please continue on a separate referenced sheet if necessary and tell us the reference for this document

Document reference

Doc 4/5

Table 8.1

Year	Abstraction location name or reference (as labelled on map)	Purpose(s) water used for	Period of abstraction All year, or months, or days (provide specific dates)	Maximum quantities abstracted						Means of measurement, or assessment of abstracted quantities	Are these the maximum quantities of water you wish to have licensed? (Yes or No)
				Year (cubic metres)	Day (cubic metres)	Hour (cubic metres)	Peak instantaneous flow rate (litres per second)	Maximum number of hours of abstraction per day	Please indicate whether volume is actual (A) or estimated (E)		
01 January 2011 to 31 December 2011	Borehole 1 figures combined with below ground chamber 2 source	Stock Watering	All Year	11649.6	31.9	1.3	0.36	10.8	E	Water is abstracted on "livestock needs basis" and is based on average intake volumes per livestock age and intake volumes. In line with industry guidance.	Y
	Borehole 1 figures combined with below ground chamber 2 source	Parlour Washings	All Year	1368	3.7	0.154	0.042	1.3	E	The volume of water used for parlour washings is based on industry standards.	Y
	Chamber 2 Source figures combined with below ground chamber 2 source	Below ground supply combined with volumes from borehole to give yearly figures.	All Year	1148	3.1	0.129	0.035	12	E	The volume of water used are based on average intake for a family.	Y
	Combined yearly total = 14,165.6										
01 January 2012 to 31 December 2012	Borehole 1 figures combined with below ground chamber 2 source	Stock Watering	All Year	11023.2	30.2	1.25	0.347	10.2	E	As Above	Y
	Borehole figures combined with below ground chamber 2 source	Parlour Washings	All Year	1440	3.9	0.162	0.045	1.3	E		Y
	Chamber 2 Source combined with borehole 1 source	Below ground supply combined with volumes from borehole to give yearly figures	All Year	1148	3.1	0.129	0.035	12	E		Y
	Combined yearly total = 13,611.2										
01 January 2013 to 31 December 2013	Borehole 1 figures combined with below ground chamber 2 source	Stock Watering	All Year	11872.8	32.5	1.35	0.37	11.0	E	As Above	Y
	Borehole figures combined with below ground chamber 2 source	Parlour Washings	All Year	1548	4.2	0.17	0.047	1.4	E		Y
	Chamber 2 source figures combined with borehole 1 source	Below ground supply combined with volumes from borehole to give yearly figure.	All year	1148	3.1	0.129	0.035	12	E		Y
	Combined yearly total = 14,568.8										
01 January 2014 to 31 December 2014	Borehole 1 figures combined with below ground chamber 2 source	Stock watering	All Year	12852	35.2	1.46	0.40	11.9	E	As Above	Y
	Borehole 1 figures combined with below ground chamber 2 source	Parlour washings	All Year	1620	4.4	0.18	0.05	1.5	E		Y
	Chamber 2 source combined with borehole 1 source.	Below ground supply combined with volumes	All Year	1148	3.1	0.129	0.035	12	E		Y

8.2 Please complete the table below if you wish a lesser quantity of water to be licensed than that detailed in table 8.1.

If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

N/A

Table 8.2

Abstraction location name or reference (as labelled on map)	Purpose water is used for	Abstraction period	Maximum annual abstraction volume (cubic metres)	Maximum daily abstraction volume (cubic metres)	Maximum hourly abstraction volume (cubic metres)	Maximum number of hours of abstraction per day	Peak abstraction rate (litres per second)
N/A							

8.3 Do you wish your abstracted quantities to be aggregated?

You can aggregate:

- i) across some or all of the abstraction points, or reaches, or areas listed above.
- ii) with other abstractions you wish to have licensed through the transitional process.
- iii) abstractions you need to have licensed through the standard licensing process.
- iv) with existing licences you hold.

No

☒

Yes

☐

Provide details of any proposed aggregation in the box below. If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

N/A

N/A

8.4 Please provide a detailed description of how the abstraction(s) has/have taken place

Use the box below to tell us about your abstraction(s). The description should include the following:

- A diagram or schematic of how the activity has been undertaken, using your abstraction point references and including any discharge points
- Details of the structure and equipment involved in the abstraction. This should include dimensions.
- Details of your means of measurement or assessment of abstraction quantities method

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference

Doc7 Lawra 8GS22 Pump specification document

There are two sources of water that supply the private a stock watering requirement for the holding.

The below ground chamber source arises above the farm and is captured in a concrete below ground tank, the tank dimentions are 3m x 3m x 2.4 giving a storage capacity of 21.6m³. Water flows from the storage tank via gravity to the farm and is held within the distribution network.

The groundwater source is located below the farm and is pumped into the distribution network where it joins the spring source flow. The combined water supply is held within the system and its regulated use is governed by the pump pressure switch and float valves from the drinking troughs and milking parlour system through animal drinking pattern of the livestock and milking times on a needs basis.

The groundwater rest pump level has been measured using a dip tap and is recorded at 8.3 metres and the pumped water level at 35m.

There are no discharge from the abstracted water and are either converted into excreta or parlour washings and discharge into the slurry storage system at Berry Hill Farm. Water used by the private supplies are contained and disposed of into the private drainage septic tank systems via soakaways for natural attenuation within the soil structure.

There are currently no means of measuring current abstracted water use The pump rate is set a 3m³ per hour. The volumes used are based on estimated volumes of drinking water per head per day. With reference to industry guidance the following volumes have been used. The estimated calculations are provided in Doc 8.

Parlour washings 20 l/head/day

Dairy cow in milk 100 l/head/day

Heifers (12-24 month) 50 l/head/day

Youngstock (<12 months) 36 l/head/day

Bulls 100 l/head/day

The above calculations for the dairy cows are based on animals producing 6000/9000lts per cow. These figures will vary depending on milk production from animals in higher or lower categories.

DWR Cymru Welsh Water does not have a public water supply that the farm and surrounding properties can source and therefore, the water supply is essential for the viability of the farm and dwellings that depend on this resource.

8.5 Please list the evidence you are providing to support your application

Use the box below. The evidence should demonstrate the following:

- That abstraction has taken place at some time during the seven year qualifying period.
- The quantities of water you have abstracted during the qualifying period. For example, records of meter readings, or cropping plans.

If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

Doc 8 Summary of stock numbers based on British Cattle Movements (BCMS) reports for the farm.

The below ground chamber water supply to the farm has been in existence for at least 100 years or more.

Groundwater abstraction at Berry Hill farm has been in operation since at least 2007 for the supply of livestock drinking water and dairy cleaning.

Documentation of livestock numbers can be provided from the BCMS system for the period 2011-2017 and a summary of the livestock numbers for the period 2011-17 is provided in Doc 8

9. Discharge details

9.1 Please provide details on any discharge of abstracted water in table 9.1 below and on the map used to show abstraction locations.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

N/A

Table 9.1 - Details of any discharge of abstracted water

Discharge location name or reference (as labelled on map)	National Grid Reference of discharge point (12 digit)	Total volume discharged (cubic metres)	Environmental Permit number for Water Discharge Activity number (if applicable)
N/A			

9.2 Please provide a description of discharge structures and equipment

All livestock water is converted to slurry and urine which is collected in the slurry lagoon prior to application to land as an organic fertiliser. Parlour washings are also contained in the slurry store at Berry Hill farm and applied to land as an organic fertiliser. This is a valuable and sustainable resource to minimise the use of inorganic fertilisers.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

N/A

10. Eel considerations

Does your abstraction include measures to safeguard eels?

No ☒

Yes ☐ Provide details below

Ground water abstraction - safeguard for eels not required. The chamber sources is sealed with a concrete lid to prevent access by eels. The water distribution network is a sealed system.

11. Trickle Irrigation

If you are applying to licence a trickle irrigation abstraction, do you wish to apply for a Two-Part Tariff agreement with your application?

No ☒

Yes ☐ We will contact you during determination of your application to arrange this agreement.

12. Planned abstractions

12.1 Do you expect to increase the current rate of abstraction for the activity you are applying to have licensed from 01 January 2018 onwards or to carry out further new abstractions (both termed 'planned' abstractions) at this site in the future?

No ☒

Yes ☐

12.2 Have you submitted a licence application (s) for any planned abstraction(s) as a result of the Water Act 2003 changes?

No



Yes



Provide a reference number if you have already submitted an application(s) to cover any planned abstractions.

Document reference

13. Other abstractions

Please provide details of any other abstraction(s) (licensed or exempt) that are associated with this application in table 13.1 below.

Table 13.1 - Details of any other abstraction(s) (licensed or exempt) that are associated with this application					
National Grid Reference (12 digit) of where you abstract water	Source name and type	Purpose of abstraction	Where do you use the water?	When do you abstract the water?	Is this a pending application, or already licensed? Please provide the application or licence number as appropriate
N/A					

14. Planning permission

Complete table 14.1 below and provide details of any planning permissions or advice associated with the abstraction you are applying to have licensed where relevant. Provide a copy of any permissions or advice, providing a reference for this document below.

Document reference

N/A

Table 14.1 – Planning permission			
Abstraction location name or reference (as labelled on map)	Is planning permission needed, Yes or No?	Planning permission status (if required)	Have you received any planning advice for the abstraction?
N/A			

15. Environmental impact assessment(EIA)

Does your application require an EIA under The Water Resources (Environmental Impact Assessment) (England and Wales) Regulations 2003 (as amended)

No



Yes



Please provide a copy of your environmental impact assessment; provide a reference for this assessment below.

Document reference

16. Licence duration

Tell us when you wish your abstraction licence to end

Normally abstraction licences are granted for between 6 and 18 years in line with the catchment licence common end date. If you require a shorter or longer duration licence, please provide details and your justification in the box below.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

Require abstraction licence for maximum of 18 years duration as this water supply is essential for livestock drinking water and private supply to continue the operation of a viable and sustainable farm business.

17 Declaration and data protection and commercial confidentiality

Data protection:

Please read the guidance carefully for details on who can sign this section and note the information relating to the Data Protection Act 1998, our Public Register and exclusions.

Commercial confidentiality:

Do you think your application should be confidential, and that information should not be placed on the public register?

No ☒

Yes ☐ You must send us supporting information to tell us why. Use the box below or a separate sheet, and tell us the reference you have given this document.

Document reference

Declaration:

By signing below, you are declaring that as far as you know and believe the information given in this form, on any map and in any supporting or additional information is true.

A printed name in the 'signature' response box will be treated as the equivalent of an electronic signature.

Title

Mrs

R Jones

First name

Rebecca

Last name

Jones

Position

Agent for WBH/CAD Evans/ Sons

Today's date

16/11/2019