

FORM WRA: Applicant details and proposal outline

Water Resources Act 1991 (as amended by the Water Act 2003),
Environment Act 1995, The Water Resources (Abstraction and Impounding)
Regulations 2006, The Natural Resources Body for Wales (Functions) Order 2012



Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

1. Application type and fee

For the application types listed, complete this form and/or the relevant additional forms named below. Please tick which forms have been included with your application. Forms should be completed with reference to Guidance Note WRX.

- | | |
|---|--|
| * Pre-application enquiry (non-hydropower) | ☐ Only complete this form |
| * Pre-application enquiry (hydropower) | ☐ Also complete form WRB |
| * Application for a Groundwater Investigation Consent | ☐ Only complete form WRC |
| New full abstraction licence | ☒ Also complete form WRD |
| New temporary abstraction licence | ☐ Also complete form WRD |
| New licence to transfer water | ☐ Also complete form WRD |
| New impoundment licence | ☒ Also complete form WRE |
| Renewal of a time-limited licence | ☐ Also complete form WRD |
| Removal of an existing impoundment | ☐ Also complete form WRE |
| Technical variation of an abstraction licence | ☐ Also complete form WRD |
| Technical variation of an impoundment licence | ☐ Also complete form WRE |
| * Administrative variations to existing licences | ☐ Only complete form WRF |
| * No fee required | |

Please indicate how you wish to pay your application fee and provide a reference number where relevant.

Cheque ☐ BACS ☐ Credit or debit card ☒

Your reference number

PPN-00241

2. Applicant details

This is who the licence would be issued to and must be a legal entity such as an individual, registered company, charity or public body. If you are an agent acting on behalf of an applicant, provide their details here and yours in Section 3. See Guidance Note WRX for clarification of the details required and signatories permissible for organisations.

Applicant type:

Individual ☐ Limited company ☐ Charity ☐ Corporate body ☐
Partnership ☒ Sole trader ☐ Club ☐ Other ☐
If other, please specify

Title

Mr

Full Name

Gerallt Griffith

Company, Charity or
Trading Name

DT, AE & GM Griffith

Company or Charity
Registration Number

Registered Address

Doluwchadda
Llanfachreth
Dolgellau
Gwynedd
Postcode: LL40 2EH

Telephone Number

Office: 01341 421 451
Mobile: 07779 572 242

Email Address

griffithdoluwchadda@btinternet.com

We will contact you by email unless you tick here ☐

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

Site operations contact

Applicant ☒

Agent ☐

For applications for abstraction licences, please also specify who we should contact for invoices and abstraction records (returns).

Invoice address*

Applicant ☒

Agent ☐

Abstraction records contact*

Applicant ☒

Agent ☐

* Not required for temporary or transfer licences.

Enter the agent's details in Section 3, or provide details of alternative or additional contacts on a separate sheet and tick here to show that you have done so. ☐

3. Details of agent or individual authorised to act as application contact

This is who we will correspond with unless otherwise informed. If an agent has signed on behalf of an applicant, please include a letter of authorisation from the applicant allowing the agent to act as signatory.

Title

Mr

Full Name

Liam Brown

Company, Charity or
Trading Name

Greenearth Hydro Limited

Position in Company

Managing Director

Registered Address

28 Salop Road
Oswestry
Shropshire

Postcode: SY11 2NZ

Telephone Number

Office:
Mobile: 07980 670 046

Email Address

liam@greenearthhydro.co.uk

4. Entitlement to apply (only required for abstraction licence applications)

Does the applicant have a legal right of access to the point of abstraction?

Has a right of access

☐

Has an expected right of access

☐

Owner/occupier of land

☒

Date these access rights are expected

For formal abstraction licence applications where you are the landowner/occupier, provide a map with the land boundary and all abstraction and discharge point(s) marked. Please tick here to show that you have done this. ☒

For expected rights of access, please also provide the additional evidence as outlined in Guidance Note WRX. Please tick here to show that you have done this. ☐

5. Application reference number

Have you undertaken a pre-application enquiry or had any previous discussions with us?

No

☐

Yes

☒

Provide reference
number or staff
member's name

PPN-00241

6. Remediation work

Is this proposal as a result of a Restoring Sustainable Abstraction programme or other work requested by us?

No

☒

Yes

☐

If yes, provide your
licence number

7. Source of supply

7.1 State where you intend to abstract from

Surface Water

☒

Groundwater

☐

Give Groundwater Investigation Consent number
if applicable

7.2 Provide a 12 digit National Grid Reference for the proposed or existing abstraction or impoundment point (e.g. ST 19057 76826)

SH

76359

22526

7.3 Source of supply or location of
proposed impoundment

Afon Las

7.4 Site name / reference

Gerallt Griffith

8. Proposal summary

Please provide an outline of your proposal as described in Guidance Note WRX, including any sketches. If you are submitting a pre-application enquiry, this must include the quantities of water you propose to abstract. If necessary continue on a separate sheet and tick here to show that you have done this. ☐

A 45kW hydropower scheme is proposed. This will be a grid connected scheme. The penstock will be approximately 705 metres long with a diameter of 400mm made from High Performance Polyethylene (HPPE), running from a concrete weir with a coanda screen with a 2mm aperture to the power house which will be next to watercourse. The turbine type proposed is a turgo. The turbine would be turned on and off automatically depending on the water level in the intake chamber. The flow rate, and hence the turbine power, would be modulated using spear valves on the turbine nozzles.

A 'hands off flow' (HOF) notch will be incorporated in the intake weir and until the HOF has been satisfied, no water will be abstracted. In addition to this the proportional take, in excess of the HOF, is proposed to be 50% and this will be ensured by the screen's width being 50% of the full weir crest's width.

The site's gross head is 42.3m, net head 39.2m.

It is intended that abstraction take place all year round.

Maximum instantaneous flow (Design flow): 145 l/s

Max hourly abstraction (Design flow x 3600 sec): 522.0 cubic metres

Max daily abstraction (Max hourly abstract x 24h): 12,528.0 cubic metres

Max Annual abstraction (Max Daily Abstraction x 365 days): 4,572,720 cubic metres

9. Declaration

Please see Guidance Note WRX for details of who can sign this section and note the information in that document relating to the Data Protection Act 1998.

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.

Signed

G. M. Griffith

Print name

Gerallt Griffith

Position

Partner

Date

21/10/2018

Application Checklist

Please tick the following checklist items to indicate that you have included the required information. If any sections of the form are left blank and no supporting information submitted, where we have insufficient information to make a decision on your application, we will return your application to you.

Essential:

Letter of authorisation from the applicant, allowing the agent to act as signatory ☐
Map showing the land ownership boundary with all abstraction and discharge point(s) clearly marked ☒

Where relevant:

Evidence of negotiations of expected access rights, if applicable ☐
For groundwater abstractions, results of pump test (if not previously submitted) ☐

For Natural Resources Wales' use only:

Date received _____

Reference Number _____

Payment received Yes ☐ Amount received _____
No ☐ Not required ☐