

FORM WRA: Applicant details and proposal outline

Application type and fee

Please generate a reference number. It should start with "WR" followed by your organisation or company name and today's date in four-digit format (DDMM) without spaces or punctuation. Example: WRNATURALRESOURCESWALES1101 Please use this number throughout this application. This reference number can also be used for your BACS reference if paying electronically.

WRDWRCYMRU1609

For the application types listed, complete this form and/or the relevant additional forms named below. Tick the type of application you are applying for. Please refer to our Find out if you need a licence web-page for an explanation for the different licence types. If your proposal involves multiple licence types, tick all that apply. See our Charges for abstraction and impoundment applications web page for details of application fees and how to pay.

Technical variation of an abstraction licence. Also complete form WRD.

Please provide existing licence serial number, if applicable

24/66/06/0007

Please indicate how you wish to pay your application fee. If paying by BACS, please quote the reference number created in question 1 when setting up the bank transfer. If paying by cheque, please ensure you add the six digit cheque number below.

BACS

Applicant details

Applicant type

Corporate body

Applicant details

Full Name	Peter Perry
Company, Charity or Trading Name	Dwr Cymru Cyf
Company or Charity Registration Number	2366777

Applicant Registered Address

Line 1 Dwr Cymru Welsh Water Linea
Line 2 Fortran Road
Line 3 St Mellons
Line 4 Cardiff
Postcode CF3 0LT

Applicant Contact details

Office Telephone Number 01443 452797
Mobile Telephone Number 01443 452797
Email Address peter.perry@dwrcymru.com

Please indicate who we should contact regarding operation of your site, this should be the person responsible for the day to day running of the operation.

	Applicant	Agent
Site operations contact		X

For applications for abstraction licences, please also specify who we should contact for invoices and abstraction records (returns). Not necessary for temporary or transfer licence applications.

	Applicant	Agent
Invoice address		X
Abstraction records contact		X

Details of agent or individual authorised to act as application contact

Use applicant contact details

No

Application details

Full Name Joanne Cullen
Company, Charity or Trading Name Dwr Cymru
Position in Company Area Water Resources Manager - North

Applicant Registered Address

Line 1 Welsh Water - Dinas Depot
Line 2 Llanwnda
Line 3 Caernarfon
Line 4 Gwynedd
Postcode LL54 5UD

Applicant Contact details

Office Telephone Number 07775117131
Mobile Telephone Number 07775117131
Email Address joanne.cullen@dwrcymru.com

Entitlement to apply (not required for impoundment licence applications)

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

Owner

Site map showing abstraction points

- File: Plas Uchaf Reservoir.pdf - [Download](#)

For abstraction licence applications where you are the landowner, 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.

Pre-application number

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

Yes

Provide reference number or staff member's name

Max Stokes, Jenny Rees-Jones, Emma Allcorn, Nathan Owen

Remediation work

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

No

Source of supply

State where you intend to abstract from

Surface Water. e.g. Stream, leat, spring

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

SH 96876 71403

Source of supply (name of watercourse or aquifer)

Plas Uchaf Reservoir

Site name / reference(e.g. Tŷ Mawr Farm)

Plas Uchaf

Proposal summary

Please provide an outline of your proposal, including any sketches. As a guide, you should include: a description of the activities which (will) take place at your site, the means of abstraction/impoundment proposed, if the proposal is related to another licence or permit (i.e. an Environmental Permit to Discharge Water) and details of any survey work undertaken. For changes to existing licences, summarise the changes proposed. Sketches or photographs that will aid our understanding of your proposal can be uploaded below.

The annual volume in the Plas Uchaf licence is measured against the calendar year, not financial as most of our other licences are. In Jan-Mar 2021 we abstracted more than usual from Glascoed water treatment works (WTW), see plot attached. This coincided with the first covid lockdown period which caused demand in the zone to increase as people who normally commute to Chester and further afield were working from home. At this time of year, we also have to reduce the amount we abstract from Llannerch to ensure we achieve compliance with the annual volume on that abstraction licence.

As of 16th September 2021, we have used 3712MI of the 5000MI licensed volume at Plas Uchaf (~74%). This leaves us 1288MI for the next 106 days which equates to an average of ~365MI/ month (12.15MI/d). Based on previous years this is less than we would normally abstract to meet demand in the Clwyd Coastal water resource zone, see plot below. Although we will try and operate to achieve compliance, we are aware this will give us very little operational flexibility if we need to respond to reactive events and manage the network accordingly. We are trying to keep Trecastell water treatment works operational for as long as possible, but this site is really a seasonal source which becomes very unreliable during high turbidity events and heavy rainfall. Abstracting more from the Llannerch boreholes may also cause us issues in Jan-Mar 2022 as the annual volume on this licence is also very tight (currently at 63.4%).

There is a risk we may be ~2-5% over the annual volume by the end of the year, therefore we are applying to remove the calendar year clause within the licence and bring it in line with all other abstraction licences in the Clwyd Coastal zone (Llannerch, Bryn Aled and Trecastell are all monitored against the financial year). This will also make it much easier for us to manage the sources conjunctively in the future.

We were compliant in 2020/21 (4743MI) and our Production team have confirmed they can manage the abstraction to be compliant in 2021/22.

We are also limited as to how much we can abstract from Plas Uchaf as most of the water needs to be pumped up from Bryn Aled (currently at ~57% of the licensed annual volume for the 2021). The average natural inflow into the Plas Uchaf/ Dolwen catchment is ~30% of the amount we are licensed to abstract.

The combined Aled and Aled Isaf stocks are healthy, currently ~59% which is normal for this time of year. There is plenty of water in the reservoirs to support any low flows in the Afon Aled which may occur over the winter and any excess water will be released through the flood mitigation valves. The minor increase in abstraction in 2021 will not therefore impact on the Afon Aled.

The future use of the sources in the Clwyd Coastal zone will be assessed through our WRMP24 process, for which the modelling has just started. We will obviously consult with NRW if any further changes are needed to our licences e.g. increases to the annual volumes, but no other licence changes are envisaged at this stage. It was purely the timing of the peak abstraction and the offset in the calendar/ financial year clauses between the licences which has caused us an issue this year.

Summary of proposal

- File: Abstraction data.docx - [Download](#)

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 Ian Christie

Print name Ian Christie

Position Managing Director Water, Asset Planning and Capital Delivery

If an agent is to sign on behalf of the Licence Holder, a letter of authorisation from the Licence Holder is required.

- File: 4_Letter of Authority (Ian Christie).pdf - [Download](#)

Date

* 20/10/2021

GDPR, National Security, and Commercial Confidentiality

Only tick the box below if you wish to claim confidentiality for your application.

Please treat the information in my application as confidential

Would you like a copy of your submission?

Yes

Your email address

joanne.cullen@dwrwymru.com