

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 use this number throughout this application. This reference number can also be used for your BACS reference if paying electronically.

WRSWANSEACOUNCIL0205

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.

Renewal of a time-limited licence. Also complete form WRD.

Please provide existing licence serial number, if applicable

22/59/1/106

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.

Credit or debit card

Applicant details

Applicant type

Other (please specify):
Local Authority

Applicant details

Full Name	Michael Bond
Company, Charity or Trading Name	Swansea Council
Company or Charity Registration Number	-

Applicant Registered Address

Line 1 Swansea Marina
Line 2 Lockside
Line 3 Maritime Quarter
Line 4 Swansea
Postcode SA1 1WG

Applicant Contact details

Office Telephone Number 01792 470310
Mobile Telephone Number 01792 635292
Email Address michael.bond@swansea.gov.uk

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

Yes

Entitlement to apply (not required for impoundment licence applications)

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

Owner

Date these access rights are expected

* 02/05/2022

Site map showing abstraction points

- File: WRSWANSEACOUNCIL0205 Map.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

Sally Evans

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)

SS 66521 92652

Source of supply (name of watercourse or aquifer)

River Tawe

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

River Tawe Barrage

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.

This proposal relates to rehabilitating the Hydro Electric Power scheme that was incorporated into the Tawe Barrage during its construction in the late 1980's and early 1990's and to renew the abstraction licence number 22/59/1/106 associated with same.

The HEP scheme incorporated into the Barrage during construction has not operated for a number of years. The original means of abstraction was a 90KW turbine. Electricity market conditions and turbine technology of the era meant that revenue from electricity generation was not offsetting the maintenance and running costs associated with the scheme and it was subsequently mothballed.

Efforts were made to bring the scheme back on line in the years that followed. The most recent attempt in 2012 saw a feasibility study being commissioned by Swansea Council. The study was carried out by Atkins Global and a copy is attached to this summary.

Swansea Council is currently in the process of assessing if there is a business case to rehabilitate the HEP scheme built into the Tawe Barrage with the goal of installing new screening arrangements, a new turbine, new control gear and a new grid connection into the existing infrastructure. Part of this process will involve refreshing the 2012 Atkins study to take into account modern electricity market conditions, the hydrology of the site including any new screening requirements, modern turbine technology and control gear with improved efficiency and the terms of our abstraction licence.

Energy generated from renewable sources is everybody's interests and a rehabilitated HEP scheme at Tawe Barrage would go a long way in terms of reducing the Marina and wider Council's carbon footprint. It is believed that the outcome of a new study will likely be positive and that it will be possible to present a viable business case in order to secure finances to rehabilitate the scheme to modern standards.

Summary of proposal

- File: 5108430-70-DG-001 1.pdf - [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 M A J Bond

Print name Mike Bond

Position Assistant Marina Manager

Date

* 09/05/2022

Would you like a copy of your submission?

Yes

Your email address

michael.bond@swansea.gov.uk