

If you have submitted this information as part of your pre-application enquiry and no changes have been made to your proposal in the meantime, you are not required to provide these details again.

% abstraction and zone applied for (see HGN2)	Average gradient of depleted reach (%)	Catchment size above abstraction point (kilometres square d)	Net head between abstraction and discharge points (metres)
70	15.7%	11.28	70
Turbine efficiency (%)	System efficiency (%)	Maximum power output (kilowatts)	Annual capacity (kilowatt hours)
80	64	30	241634

State the length of depleted reach (in metres)

Provide the flow data (in cubic metres per second) & ratios specified below:	
Q95	4.9 l/s
Q10	6.9 l/s
Qmean	55l/s
What is the ratio of Q95:Qmean?	0.089
What is the ratio of Q10:Qmean?	0.125

Please send us a copy of the full flow duration curve for the site and confirm the method used to derive this. If you have used modelling software such as LowFlows, please provide us with a copy of the output (graph, data and catchment map) including the Long Term Average rainfall.

What low flow protection* do you propose to maintain in the depleted reach when the hydropower scheme is operating (in m³/s)?

* Low flow protection is the flow rate above which abstraction can begin and is separate to the abstraction % take, see HGN2 for details.

8. Means of measurement

State how you intend to measure abstracted quantities at each abstraction point.

Meter ☐ Power Generated ☒ Other ☐

If other, please specify

9. Water efficiency

Describe all steps you have taken or intend to introduce to ensure efficient use of water, such as water storage, re-use or conservation provision. If necessary, continue on a separate sheet and tick here to show that you have done this. ☐

10. Fish and eel considerations (surface water abstractions only)

10.1 Confirm the fish species present at your site. If you are submitting a survey or report with your application, please tick here to show that you have done this. ☐

No migrating fish due to waterfalls

No migrating Elvers due to waterfalls

10.2 Does your proposal include measures to safeguard fish and eels? Only provide details of outfall screening if abstracted water is to be discharged back into a watercourse.

	Intake	Outfall
Type of fish screen	New colander screen to be constructed. See drg attached	Free fall drop >1.5 m
Screen aperture size (mm)	3 mm wedge wire	none

11. Discharge details

11.1 If you intend to return any of the abstracted water to the environment, provide details below. Details of discharge location(s) should correspond with any maps submitted.

Discharge location name / reference	National Grid Reference of discharge point (12 digit)	Total volume to be discharged (cubic metres)	Environmental Permit for Water Discharge Activity number (if applicable)
Afon Mynach above Pont Fronwydd	283138 324581	2209032	

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

Free fall from the existing open discharge pipe > 1.5 m fall

12. 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.

NONE

13. Planning application

Have you sought advice on your planning application?

No ☐ Yes ☒ ref NP5/54/40A

If yes, submit a copy of the Planning Authority's response.

14. 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



Print name IAN TYRONE RICHARDSON

Position OWNER

Date 15-7-19

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:

Form WRA completed



Map showing applicant's land boundary with all abstraction and discharge point(s) clearly marked



Evidence of negotiations of expected access rights, if applicable



State number of continuation sheets (enter 0 if none included)

Where relevant:

Letter of authorisation from the applicant, allowing the agent to act as signatory



Form WRE completed, if your proposal also requires an impoundment licence ☐

Further information requested in our pre-application response letter to you ☐

For hydropower applications, full flow duration curve for the site, confirmation of the method used to derive this and a copy of the output (graph, data and catchment map) including the Long Term Average rainfall, where available ☒

Planning Authority response, where available ☒

Additional supporting information - please list below: