

Form WRD: Application for a new abstraction licence or a technical variation to an abstraction licence

Application type

Reference number (The number you generated in form WRA). Example:
WRNATURALRESOURCESWALES1101

WRCardiffCouncil2011

Are there any applications currently being assessed by us that are linked to this application?

Yes

Is the proposed abstraction going to be aggregated with another existing abstraction?

No

Linked applications

Please confirm how this application is linked to the other application(s)

Example: this application could be one of multiple abstractions and/or impoundment licence applications at the same site. The proposal could involve water rights trading, or this application could be linked to another application for a previously exempt activity.

Impoundment licence

Linked application numbers

WRCardiffCouncil2011

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Are any applications, at the same site; being assessed by the Environment Agency?

No

Tell us when you want your abstraction licence to end: [DD/MM/YY]

22/11/41

Abstraction details

Abstraction location name/reference
Pentwyn Lake/NANT GLANDULAS
Abstraction point type
Single point
National Grid Reference
ST 20645 80749
Do you have any further points of abstraction?
No

Means of abstraction

Provide full details of the equipment you propose to use to abstract water, such as maximum pump capacity and any relevant dimensions, e.g. pipe diameter. For groundwater abstractions, include details about the borehole (depth and diameter) and details of screening and lining.
Please see attached drawing
If necessary, continue on a separate sheet and upload below.
<ul style="list-style-type: none"> File: Parc Y Nant_ 2022-17-SCL001_ B.pdf - Download
Please upload your drawings and calculations here. (Spreadsheet file formats need to be: .xls, .xlsx, or .ods)
<ul style="list-style-type: none"> File: ESP 8599.3920 - Pentwyn Lake (Draft).pdf - Download

Abstraction quantities

Abstraction location name/reference
NANT GLANDULAS, ST 20645 80749
What purpose will the water be used for?
The water is used to create a through flow of water into Pentwyn Lake

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

Annual 34689.6

Daily 95.04

Hourly 3.96

Peak abstraction rate (in litres per second)

1.1

Number of hours of abstraction per day

24

Add quantities for another location?

No

Calculations and supporting information

Use this section to show us how you have calculated the amount of water you require. This should include details of your operational regime (for example, number of hours and days you intend to abstract, number of units produced or area to be irrigated). We use this information to determine if the volumes you propose to abstract are appropriate for the purpose. Depending which industry you are in, you may need to provide additional information below.

If your proposal involves the provision of a residual flow via a notch or orifice, provide information on how this is being calculated. This should include details of the equation being used.

See attached document

Additional document. (Spreadsheet file formats need to be: .xls, .xlsx, or .ods)

- File: ESP 8599.3920 - Pentwyn Lake (Draft).pdf - [Download](#)

Means of measurement

State how you intend to measure the quantity of water you abstract. You do not need to do this for a temporary or transfer licence.

Other (please specify):
ff

Water efficiency

Provide details of what measures you provide or intend to implement, to ensure efficient use of water. This could include water storage, re-use or recirculation, monitoring and checking for leaks, undertaking water audits or other industry specific good practice.

Monitoring and checking for leaks on a weakly basis by Councils Park Rangers

Fish and eel considerations (surface water abstractions only)

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. For further guidance on appropriate screening Intake screening for fish

	Intake	Outfall
Type of fish screen	Metal Frame	-
Screen aperture size (mm)	14mm	-

Confirm the fish species present at your site. If you're not proposing any measures to protect fish and eels, you must justify this. For example, we may have confirmed in our pre-application response that the intake is inaccessible to fish or you undertook a fish survey to confirm.

Trout

Discharge details

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. Do not include discharges to a public sewage system.

	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)
	NANT GLANDULAS	ST 20863 80636	0.0011	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

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

Lake is dammed, with wear to allow excess water to be discharged. See drawing attached

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.
Your local authority's environmental health will hold details of exempt domestic abstractors.

Anglers

Planning application

Have you sought advice on your planning application?

No

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 G.Whittington
Print name Geoff Whittington
position Landscape Architect

Date

* 22/11/2023

Would you like a copy of your submission?

Yes

Your email address

geoffwhittington4@gmail.com