

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

HochtiefWA/065/0003/0003variation3

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

No

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

No

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]

01-12-2026

Abstraction details

Abstraction location name/reference

WA/065/0003/0003

Abstraction point type

Area

National Grid Reference

SH 62475 37966

Downstream National Grid Reference (If abstracting from a reach), or corners of the area.

SH 62475 37966
SH 62508 37965
SH 62507 37935
SH 62475 37936

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.

Pump to dewater shaft excavation
5 cubic metres per hour
120 cubic metres per day
43,800 cubic metres per year

Abstraction quantities

Abstraction location name/reference

Underground strata comprising of tidal flat deposits and Maentwrog Formation bedrock at Cilfor construction compound, near Llandecwyn, Gwynedd.

What purpose will the water be used for?

Transfer for the purposes of dewatering

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

Annual 43800
Daily 120
Hourly 5

Peak abstraction rate (in litres per second)

40

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.

submitted previously with original application.

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.

Meter

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.

Water abstracted will be minimised by constructing a water tight shaft. The dewatering required is for the construction phase before all of the water tight features of the shaft have been fully installed. Process water to be used in the construction of the shaft is being supplied by Welsh Water via new raw water main. When the shaft is being constructed this process water will be recycled in water treatment facility in the construction compound which will entail sediment removal. The treated water will be stored in tanks on site ready for reuse in the shaft sinking process. The water recycling system will reduce the volume of raw water required. Frequent inspection of the process water recirculation system will be undertaken and any leaks repaired

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	N/A	stainless steel fish screen with 2mm aperture
Screen aperture size (mm)	N/A	2mm

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.

As per NRW feedback from preapplication PPN00944, a 2mm screen is required to prevent harm to European Eels. A Fish Habitat Assessment Report (reference C0233ATMGESZZRPx0005 Atmos January 2023) has been prepared in support of this application. The proposed fish screen will safeguard fish and eels.

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 yr Efail	SH 61888 37858	up to 43800m3 per year	EPR/DB3190ZV
-	-	-	-
-	-	-	-
-	-	-	-

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

An environmental permit for discharge has been obtained (ref. EPR/DB3190ZV) The discharge pipe is 225mm diameter and is fitted with a stainless steel perforated screen with 2mm aperture size.

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.

None close to the permitted abstraction

Planning application

Have you sought advice on your planning application?

Yes

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 David Grantham

Print name David Grantham

position Environmental Manager

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

- File: SVIP - Consent Authorisation Letter 27.08.24.pdf - [Download](#)

Date

* 22/06/2025

Would you like a copy of your submission?

Yes

Your email address

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