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
WRWEPAUKLIMITED0906

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]
30/06/2026

If you require a shorter or longer duration licence, please provide details and your justification
The licence is only required for temporary dewatering of an excavation. It is not anticipated that dewatering would be required past the excavation completion.

Abstraction details

Abstraction location name/reference
Dewatering Area

Abstraction point type
Area

National Grid Reference
SS 87952 87128

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

SS 87952 87128
SS 88047 87126
SS 88042 87071
SS 87947 87085

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.

Pumped Deepwell System will be installed within the 'Dewatering Area' including monitoring wells to monitor the drawdown in the area. Each well will be completed to approximately 21mbgl (53.1mOD toe depth), drilled at 250mm diameter and installed with 140mm diameter PVC slotted liner.

Each pump installed in the deep wells will be 1.5kW capacity. The maximum combined flow rate of the system will be 15l/s. Flow rate will be controlled via central control cabin. Each well discharges to a V-Notch Tank (for visual assessment of water quality) via 150mm pipeline.

Abstraction quantities

Abstraction location name/reference

Dewatering Area

What purpose will the water be used for?

Excavation Dewatering

Period of abstraction Will it be all year?

No

Start Date: [DD/MM/YY]

01/07/25

End Date: [DD/MM/YY]

30/06/26

Maximum quantities (cubic metres)	
Annual	109000
Daily	1296
Hourly	54

Peak abstraction rate (in litres per second)
15

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.

15 l/s has been calculated as the highest flow rate to create a sufficient drawdown in the dewatering area. This flowrate will reduce the artesian waterhead in the area by 5m. The previous dewatering phase had a similar artesian waterhead and a flowrate of 10-15 l/s reduced the water level by 7m.

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.

A Flowmeter is installed at the central control cabin where each deepwell pump can be controlled and flows can be observed, in addition to the V-Notch tank. Flow lines are monitored daily to check for leaks.

No abstracted water will used.

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)
	Discharge Point to River	SS 88202 87209	1296	EPR/EP3738NG
	Connection to Discharge Network	SS 88042 87109	1296	EPR/EP3738NG
	-	-	-	-
	-	-	-	-

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

Each well is connected via discharge line to the control cabin. The line feeds into a V-Notch tank, from there connects to the Discharge Network, consisting of underground pipework that eventually discharges to the Llynfi River.

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.

There are no groundwater abstractions within 1km of the site

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	JGCT
Print name	Jordi Goma Camps Trave
position	Operations Director

Date

* 09/06/2025

Would you like a copy of your submission?

Yes

Your email address

jordi.goma-campstrave@wepa.co.uk