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
WRROYALSTDAVIDSGOLFCLUB1209

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

Abstraction details

Abstraction location name/reference
BH1

Abstraction point type
Single point

National Grid Reference
SH 57757 30902

Do you have any further points of abstraction?
Yes

Abstraction details - Further points

Abstraction location name/reference
BH2

Abstraction point type
Single point

National Grid Reference
SH 58532 30628

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.
Abstraction from both locations is via electrical submersible pumps. The requested abstraction volume is based on the maximum pump capacity for each borehole. BH1 is capable of supplying 6.06 m3/hr and BH2 is capable of supplying 5.83 m3/hr. Hence a maximum abstraction volume of 12 m3/hr is being sought. These rates were determined during test pumping for the GIC.

Abstraction quantities

Abstraction location name/reference
BH1

What purpose will the water be used for?
Irrigation

Period of abstraction Will it be all year?
Yes

Maximum quantities (cubic metres)	
Annual	18,034.56
Daily	145.44
Hourly	6.06

Peak abstraction rate (in litres per second)
1.7

Number of hours of abstraction per day
24

Add quantities for another location?
Yes

Abstraction quantities - Another location

Abstraction location name/reference
BH2

What purpose will the water be used for?
Irrigation

Period of abstraction Will it be all year?
Yes

Maximum quantities (cubic metres)	
Annual	17,350.08
Daily	139.92
Hourly	5.83

Peak abstraction rate (in litres per second)
1.6

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.

Rate requested is based on the maximum pumping capacity of the boreholes, pumping 24 hours a day for up to four months (124 days) between 1st February to 30th November inclusive.

The pumping rate of the boreholes was determined from during the groundwater investigation. The pumping test report is appended (3571/PT Sep 25).

The golf club has recently upgraded their irrigation system and are continuing to install it on more greens and fairways. This has lead to the increased water requirements.

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

- File: 3571_PT Report _Sept25 complete.pdf - Download

Industry-specific requirements

For golf course irrigation

	Maximum area to be irrigated daily (hectares)	Maximum depth of water to be applied daily (millimetres)
Tees	1	2
Greens	1.1	2
Fairways	7	2
Others	0.5	2

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.

Pipework will be regularly checked for leaks. Irrigation is undertaken throughout the night which will minimise the amount of water lost through evaporation. The irrigation system allows areas of the golf course to be irrigated independently depending on requirements. The software used to control the irrigation system allows the volume of water used to be recorded.

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.

A water features survey was undertaken to identify water users prior to obtaining the GIC. The water features identified as potentially being impacted were included on the GIC and were monitored during the test pumping. Results of the test pumping are included within the test pumping report.

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 D Ingman

Print name Dylan Ingman

position Senior Hydrogeolgist

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

- File: 2024-09-03_letter of authorisation.pdf - Download

Date

* 22/09/2025

Submit your application

Enter your email address to get a copy of your application

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