

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

WRTARMACTRADING2510

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

Quarry Sump

Abstraction point type

Area

National Grid Reference

SO 25145 58710

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

SO 25829 59297
SO 25244 58700
SO 24986 58718
SO 25454 59341

Do you have any further points of abstraction?

Yes

Abstraction details - Further points

Abstraction location name/reference

Abstraction Borehole

Abstraction point type

Single point

National Grid Reference

SO 25669 59311

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.

See supporting documents 331201262R1Rev1 and 331201262R2 for information.

If necessary, continue on a separate sheet and upload below.

- File: 331201262R2D1 Gore Quarry Pumping Test Report - FINAL.pdf - [Download](#)
- File: 331201262R1rev1 Gore Quarry - Abstraction licence - Final.pdf - [Download](#)

Abstraction quantities

Abstraction location name/reference

Quarry Sump

What purpose will the water be used for?

Dewatering

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

Annual 1230415

Daily 5698

Hourly 633

Peak abstraction rate (in litres per second)

175

Number of hours of abstraction per day

24

Add quantities for another location?

Yes

Abstraction quantities - Another location

Abstraction location name/reference

Abstraction Borehole

What purpose will the water be used for?

Operational purposes - wheel washing and dust suppression

Period of abstraction Will it be all year?

Yes

Maximum quantities (cubic metres)

Annual 19244

Daily 100

Hourly 12.5

Peak abstraction rate (in litres per second)

3.5

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 supporting documents 331201262R1Rev1 and 331201262R2 for information.

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

- File: 331201262R2D1 Gore Quarry Pumping Test Report - FINAL.pdf - [Download](#)
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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.

See supporting document 331201262R1Rev1 for information.

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)
	Outlet 1	SO 25900 59430	15	AW4001902
	-	-	-	-
	-	-	-	-
	-	-	-	-

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

Existing discharge permit AW4001902

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.

See supporting documents 331201262R1Rev1 and 331201262R2 for information.

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 Delia Boulis
Print name Delia Boulis
position Permitting and Compliance Manager

Date

* 25/10/2023

Would you like a copy of your submission?

Yes

Your email address

elizabeth.wilson@stantec.com