

# 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

WRHANSON2001

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.

The minerals planning permission for the site are currently under review through the ROMP process and NRW are statutory consultees. NRW were consulted on 17th August 2022.

Linked application numbers

not known

-

-

-

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

No

If you require a shorter or longer duration licence, please provide details and your justification

The passive abstraction will continue in perpetuity and therefore there should be no end date on the licence. There is no reasonable way that the abstraction could be stopped if the licence was not renewed in the future. Please see accompanying letter for further details of the passive abstraction.

Appendices to the letter are uploaded to form WRA.

Submit additional details if required

- File: 331201231L002 Licence variation letter to NRW re Licence WA05700210014 - Final.pdf - [Download](#)

## Abstraction details

Abstraction location name/reference

Please see the 10 (ten) grid references provided in the accompanying letter that describe the single Area B. Five grid references have been provided here, and five are provided on the next page.

Abstraction point type

Area

National Grid Reference

SO 03112 10596

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

SO 03320 10608  
SO 03704 10545  
SO 03933 10268  
SO 03887 09901

Do you have any further points of abstraction?

Yes

## Abstraction details - Further points

Abstraction location name/reference

These are the second set of five points that describe the area where abstraction will take place. Please see accompanying letter for full details and map.

Abstraction point type
Area
National Grid Reference
SO 03836 09694
Downstream National Grid Reference (If abstracting from a reach), or corners of the area.
SO 03585 09766 SO 03475 09915 SO 03404 09945 SO 03256 10139
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.
No pumps or machinery of any kind is, or will be, used to abstract water. The abstract is entirely passive (i.e. it seeps naturally by gravity from the faces of the quarry). Please see accompanying letter for further information.

## Abstraction quantities

Abstraction location name/reference
Vaynor Quarry
What purpose will the water be used for?
There is no purpose, it is a by-product of quarrying and will continue in perpetuity. None of the water will be used in any way. It will infiltrate back into the aquifer.
Period of abstraction Will it be all year?
Yes

#### Maximum quantities (cubic metres)

**Annual** not measurable

**Daily** not measurable

**Hourly** not measurable

#### Peak abstraction rate (in litres per second)

not measurable

#### 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.

No water is required and there is no purpose to the abstraction. It seeps by gravity out of the quarry faces and infiltrates back into the ground within the quarry void. This is a by-product of quarrying.

We would not expect any volume limit on the transfer abstraction licence as this would be uncontrollable and unmeasurable, and therefore unenforceable. Instead the limit should be a spatial limit based on the maximum permitted extent of the quarry defined by Area B (see accompanying letter 331201231L002). Area B is defined by ten (10) points. Precise rates cannot be calculated, but estimates were included in the original application which is provided as Appendix C to the letter. Due to the file size this will be provided in an email.

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

- File: 331201231L002 Licence variation letter to NRW re Licence WA05700210014 - Final.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):**

This is not needed for a transfer licence (as stated in the question). It would not even be possible to measure this due to the nature of the seepages.

## 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.

This is not applicable as all water that passively leaves the quarry faces returns to the aquifer via infiltration (with minor losses to evaporation). No water is 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)
	Quarry floor	all of Area B	N/A	N/A
	-	-	-	-
	-	-	-	-
	-	-	-	-

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

No equipment is used for movement of groundwater. Water flows by gravity along the quarry floor to the ponds where it infiltrates back to the aquifer. The majority of water will infiltrate within the southeastern pond but some infiltration will occur in smaller ponds across the whole quarry floor.

## 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.

Please see accompanying letter and Appendix A to the letter. This has been attached to From WRA.

## Planning application

Have you sought advice on your planning application?

Yes

Submit a copy of the Planning Authority's response.

- File: App D2 - Letter reply from NRW to Stantec WA05700210014 letter response.pdf - [Download](#)

## 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** Roger Griffiths  
**Print name** ROGER GRIFFITHS  
**position** Principal Geologist

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

- File: NRW - Hanson UK authorised signatories 2019.05.21.pdf - [Download](#)

Date

\* 24/01/2023

Would you like a copy of your submission?

Yes

Your email address

richard.holtham@stantec.com