

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

WRMaelorPoultry1307

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]

Catchment End Date

Abstraction details

Abstraction location name/reference

Number 2 Borehole,Cross Lanes, Wrexham,Ref WA/067/0007/0015/V002

Abstraction point type

Single point

National Grid Reference

SJ 38612 46861

Do you have any further points of abstraction?

Yes

Abstraction details - Further points

Abstraction location name/reference
No.1 Borehole

Abstraction point type
Single point

National Grid Reference
SJ 38678 46737

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.
Both borehole equipped with Submersible Pumps, capable of a combined abstraction of 2,700 m3/day. 936,000 m3/year No.1 Borehole 1350 m3/day , 56.2m3/hour No.2 Borehole 1349 m3/day, 56.2m3/hour A full summary of the construction detail is given from pages 50 to 58 of the HIA

Abstraction quantities

Abstraction location name/reference
No.1 and No.2 Boreholes

What purpose will the water be used for?
Process Water

Period of abstraction
Will it be all year?
Yes

Maximum quantities (cubic metres)

Annual 936,000

Daily 2700

Hourly 112.5

Peak abstraction rate (in litres per second)

31.25

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.

Maelor Foods Ltd have been granted Planning Permission to increase production at their Cross Lanes Site to 2 million chickens/week

The present plant has a net water consumption of 9.1 ltr/bird. The future water demand will be 18,200 m³/week, or 2,700 m³/day, based on pumping 7 days/week.

Industry-specific requirements

For industrial use

	Industry sector or process type	Water use per unit produced (state units)	Maximum units produced per year
	Food Production	9.1l / bird	104 million
	-	-	-
	-	-	-
	-	-	-

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 Storage - 500m3 tank

Water is used for process is passed to the Effluent Treatment plant, which subsequently treats 95% of all abstracted water, which is returned to the River Dee under permit EPR/AB3591ZQ

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)
	W1 on site plan in schedule 7 emission to River Dee	-	3120	EPR/AB3591ZQ
	-	-	-	-
	-	-	-	-
	-	-	-	-

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.

Other users discussed in HIA

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 X

Print name Mulkh Mehta

position Director

Date

* 20/07/2026

Submit your application

Enter your email address to get a copy of your application

chris@ghsce.co.uk