

Application for an environmental permit: Part B6 - new bespoke water discharge activity and groundwater (point source) activity

About you

Please give details of the individual, or where relevant for groups or organisations of individuals, the main representative.	
Title:	Mr
First name:	James
Last name:	Camis

Please provide details below.	
Are you applying as an individual, an organisation or group of individuals' (for example, a partnership), a company (this includes Limited Liability Partnerships) or a public body?	
A registered company or other corporate body	

Registered company or other corporate body

Please provide details below	
Company name	Dwr Cymru Cyfyngedig
Company registration number	02366777
Date of registration (DD/MM/YYYY)	01/04/1989

Contact name for the company	
Title	Mr
First name	James
Last name	Camis
Email address	james.camis@dwrcymru.com

Your address

For companies this must be the address on record at Companies House.

Address Dwr Cymru Welsh Water, Linea, Fortran Road,
St Mellons, Cardiff

Postcode CF3 0LT

Telephone 07557 259676

Email address james.camis@dwrcymru.com

1 Pre-application discussions

Did you have pre-applications discussions with Natural Resources Wales about this activity?

Yes

Pre-application discussions

Give us the case reference or details of the pre-application advice you received. We will then be able to refer back to the information you've already given us, which will help us to determine your application.

Much discussion on Run to Waste (RTW) from Water Treatment Works (WTW) has occurred with Emma Jones in the NRW AMP 7 Water Discharge Permitting Team; her team will process this application.

Have you changed your proposal since you had pre-application discussions with us?

No

Where will you be discharging?

Please complete

Site name Rhiwgoch Water Treatment Works

Address Rhiwgoch WTW,
Harlech, Gwynedd,

Postcode LL46 2TN

Please provide the 12 character national grid reference of the location of your septic tank / sewage treatment plant. This consists of two letters followed by 10 numbers (for example AB 12345 67890)

To find out the 12 character grid reference, you can search on the UK grid reference finder website: <http://www.gridreferencefinder.com/>

SH 59200 30400

About the effluent

Give a brief description of the effluent discharge you want a permit for, for example, treated domestic sewage effluent.

Without prejudice to future discharges this variation application is being made to for a "Discharge of WTW Emergency Run-to-Waste" from Rhiwgoch WTW. Rhiwgoch originally discharged "Trade Effluent consisting of sample water from quality analyser waste stream" however a few years ago we were able to reconfigure the WTW to allow all such flows to be recycled back to the head of the works. As such WRA consent CG0174401 was surrendered, effective as of 3rd June 2019. With the requirement to have the ability to RTW then there is a chance that a discharge may be required again. If it occurs then this RTW discharge will utilise the same discharge point as that of the CG0174401 discharge. An Operating Technique has been developed for reporting and monitoring the RTW at Capel Curig WTW see Rhiwgoch WTW RTW Environmental Reporting and Monitoring Operating Technique.docx as well as a site plan Rhiwgoch WTW – Site Plan.pdf

Give this effluent a unique name

This name will be used throughout the application and may be used in the permit to identify this effluent. If you have more than one effluent you must ensure that each name you use is distinct. For example, package sewage treatment plant effluent, septic tank effluent, cooling water, site drainage and so on.

Water Treatment Works Emergency Run-to-Waste Discharge

Is this a release from a dam, weir or sluice ('reservoir release') under Schedule 21 of the EPR meaning of water discharge activity?

No

Tell us the effluent type:

You must fill in a separate copy of this form for each type of effluent you plan to discharge.

Trade – known volume (including process effluents, wash waters, close circuit cooling waters, boiler blowdown, filter backwash, pumped mine water)

Trade – known volume: How long will you need to discharge?

What date do you want the permit for this effluent to start?

You cannot discharge your effluent prior to this start date on your permit. This is the date that your annual subsistence charges will start, even if you have not started to discharge.

* 01/04/2023

Is the discharge time limited?

No

For seasonal discharges which only occur for part of the year, tells us when the discharge will take place. Where a discharge will continue at a significantly lower rate over a period you should complete this question and also send in details of the seasonal variation. For example, campsites which are closed in winter but have a residual throughput from residential properties on site all year.

Will the discharge take place all year?

Yes

Will the discharge take place on more than six days in any year?

If you answer 'no' you must be able to comply with the requirement to discharge on six days or fewer in any year as this will be a permit condition. It would apply only to batch processes such as the emptying of fish rearing ponds or planned shutdowns of plant or equipment

Yes

Trade – known volume: Could your discharge be made to the foul sewer?

How far away is the nearest foul sewer from the boundary of the premises (in metres)?

You will need to check this with your sewerage undertaker (usually your local water company) and you may also need to check if it is possible to connect to a private foul sewer. Measure the shortest distance between the boundary of premises served by the sewage treatment facility and the nearest foul sewer and/or private sewer.

1700

If your answer to the above question is greater than the distance to the nearest foul sewer you must explain why you cannot discharge your effluent into the foul sewer.

You must send us evidence that you have approached the sewerage undertaker or owner(s) of the private sewer to reach an agreement for a connection to the foul sewer and send us their formal response regarding connection

Please provide your explanation below:

We are the sewerage undertaker and it is not practical to send emergency RTW dechlorinated drinking water to the sewer. For the following reasons:

- 1) Downstream there is no immediate sewer, all properties are on all private sewage systems.
- 2) The cost of constructing a pumping station and a rising main to a WWTW is prohibitive.
- 3) There is little point treating water at a WwTW that is already of a higher quality than that of the EPR permit for discharge of secondary treated sewage.
- 4) Risk of DWF failure at receiving WwTW
- 5) Possibility of sewage network CSO's coming into operation outside of storm conditions

Trade – known volume: How much do you want to discharge?

What is the maximum volume of effluent you will discharge in a day (in cubic metres)?

576

What is the maximum rate of discharge (in litres a second)?

20

Tell us how you have calculate this figure in the box below, or upload a copy of your workings in the next question.

The volume of the treated water tank discharged over 6-8 hours

Trade – known volume: How will the effluent be treated?

Do you treat your effluent?

Yes

If no, please explain why the effluent will not be treated:

The WTW treats water for public consumption, whilst the below treatments occur the only treatment specific to making this discharge from the final water tank is that we dechlorinate it. The discharge is of dechlorinated drinking water.

Please fill in the table below for each stage of the treatments carried out on your effluent in the order in which they are carried out. . If you prefer, you can upload an overall design for the whole treatment process below

	Code number
First treatment	04 Chemical
Second treatment	03 Filtration tertiary
Third treatment	18 Chlorination
Fourth treatment	20 Dechlorination

Final effluent discharge quality

You must provide details of the final effluent discharge quality that the overall treatment system is designed to achieve. This should be after all the stages of treatment you have listed in the table above. For discharges of treated domestic sewage effluent this must include biochemical oxygen demand, suspended solids and ammonia. For trade effluent discharges, the substances should reflect the substances that are likely to be present in the final effluent discharge.

Please upload this and any supporting documents here.

- File: Rhiwgoch WTW RTW Environmental Reporting and Monitoring Operating Technique.docx - [Download](#)

Trade – known volume: What will be in the effluent?

Are any 'specific substances' added to or present in the effluent as a result of the activities on the site?

You may add chemicals to the effluent during the treatment process; for example, iron salts to remove phosphate. Or you may have substances present in your effluent as a result of activities on your site; for example, chromium can be present in effluents from concrete batching plants.

Yes

Have any 'specific substances' been detected in samples of the effluent or in the sewerage catchment upstream of the discharge?

No

Are there any other harmful or hazardous substances in your effluent not mentioned in the environmental risk assessment guidance ?

The list in the environmental risk assessment guidance is not exhaustive and if you accept, add or detect any other harmful substance (including hazardous substances or relevant non-hazardous pollutants as described above) you will need to tell us.

No

If you have answered yes to either of the above two questions, please fill in the table below or upload further information on a separate sheet.

	Substance	Unit	Maximum concentration	Minimum concentration	Average concentration	Number of samples	Total or dissolved
	Iron	mg/l	5	5	5)	T
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

Give the maximum temperature of your discharge in degrees Celsius

ambient

Trade – known volume: Monitoring arrangements

Please provide the 12 character national grid reference of the final effluent sample point.

This is the sample point used to assess compliance with any water quality emission limits on your permit. You must ensure that it allows a representative sample of the discharge to be obtained. You must also ensure that all constituents of the discharge pass through the sampling point at all times. The sample point can be where the effluent meets the receiving environment only in cases where no other effluent is added before this point. You must provide a permanent means of access to monitoring points.

A 12 character national grid reference consists of two letters followed by 10 numbers (for example AB 12345 67890). To find out the 12 character grid reference, you can search on the UK grid reference finder website: gridreferencefinder.com

SH 72490 42691

Do you have a UV disinfection efficacy monitoring point?

This type of monitoring point is only required for discharges that undergo some form of disinfection. For example, ozone or ultraviolet disinfection, membrane filtration etc.

No

Does the flow monitor have an MCERTS certificate?

No

Where will the effluent discharge to?

Where will the effluent discharge to?

Non-tidal river, stream or canal

Is this effluent discharged through more than one outlet?

Effluents are usually discharged to one location in one receiving environment. If your effluent will be discharged to more than one location within the same receiving environment, for example, two different discharge points on a non-tidal river, you can provide details of every discharge point on the next page.

If your effluent discharges to more than one location in a different receiving environment, for example, into land and to a non-tidal river you will need to select both receiving environments above and complete the relevant sections on the following pages.

No

Are there any other factors we need to take into account as part of your application?

No

If yes, please give details:

RE: PAYMENT - This payment was made as part of 2 larger payments on 13th March 2023 of £9,120.00 for 2 batches of 10x permit applications under reference RFP01559 - this is the 1st application of the 2nd batch.

Discharges to non-tidal river, stream or canal

Give the discharge point a unique name For example, 'Outlet 1' (you must use this name to identify the discharge point on the plan), the national grid reference and the name of the watercourse, canal or the main watercourse it is a tributary of if you know it

	Discharge point name	National grid reference	Watercourse name	Name of effluent discharged through this discharge point
1	Discharge Point	SH 72460 42670	Unnamed Watercourse	Discharge of WTW Emergency Run-to-Waste
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-

Is the discharge into a

Non-tidal river

Does the discharge reach the watercourse or canal by flowing through a surface water sewer?

No

Does the watercourse dry up for part of the year?

Effluent should discharge to watercourses which flow all year. Discharging to a dry watercourse may cause the effluent to pond and cause other environmental or amenity issues"

No

Environmental risk assessment and modelling

Have you carried out any river quality modelling? Read the 'Surface water pollution risk assessment for your environmental permit' guidance available on Gov.UK to determine if you need to provide this modelling.

No

Site plan

You must provide a site plan for your proposed discharge which is A4 in size or larger, and at 1:10,00 scale or larger.

On your plan you must show: which direction North is; the premises discharging effluent; the site in relation to the local area; any watercourses, wells, springs or boreholes on the site (or within 50 metres); the location of the wastewater treatment system all outlets where effluent will be discharged into the receiving environment; where samples of effluent can be taken automatically or manually (if required); where flow or quality will be measured (if required).

You may submit more than one plan if necessary.

Please upload your plan(s) below

- File: Rhiwgoch WTW - Site Plan.pdf - [Download](#)

How do you want to pay?

Who can we talk to you about your billing or invoice?

Same as application contact

How do you want to pay for your application fee?

Electronic transfer (e.g. BACS)

Paying by electronic transfer

Please provide your reference for the payment.

Payment reference:	Reference RFP01559 on 13th March 2023 for 2 batches of 10x permit applications for RTW
Amount paid:	£912.00 but made as part of 2 larger payments of £9,120.00 this is the 1st of the 2nd batch

National security

Do you believe that for reasons of national security your details should not be included on the public register?

No

How we collect your personal data

I have read and understood this information

Yes

Freedom of Information

I have read and understood this information

Yes

Declaration

A relevant person should make the declaration. You must be a relevant person or have the authority of a relevant person to sign this application on their behalf. An agent acting on behalf of an applicant is NOT a relevant person.

Each individual (or individual trustee) who is applying for their name to appear on the permit must complete this declaration. You can send a separate document with the relevant information if there are not enough spaces to sign below.

Relevant people means each applicant, and in the case of a company, a director, manager, company secretary or any similar officer or employee listed on current appointments in Companies House. In the case of a Limited Liability Partnership (LLP), it includes any partner. If the permit holder is an organisation of individuals, each individual (or individual trustee) must complete the declaration.

To simplify and speed up the application process, we recommend that the declaration is filled in by an officer of a company or one of the partners in a Limited Liability Partnership (LLP).

If you wish a manager, employee or consultant etc. to sign the declaration on behalf of a relevant person, we will need written confirmation from a relevant person; that is, an officer of the company, a partner in the LLP or the individual, confirming that the person has the authority to fill in the declaration.

If you are joint permit holders, you should each fill in your own declaration. We have provided extra spaces for this below. Please upload a separate sheet with your application if you need more room for signatories.

Where the operator is the subject of any insolvency procedure, the declaration must be filled in by the official receiver/appointed insolvency practitioner.

I have included written confirmation from a relevant person to confirm I can sign on their behalf

Upload written confirmation here

- File: 2023.03.22 - Nicola Foreman NRW letter of authorisation for permitting matters.pdf - [Download](#)

If you knowingly or recklessly make a statement which is false or misleading to help you get an environmental permit (for yourself or another person), you are committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

I declare that the information in this application is true to the best of my knowledge and belief. I understand that this application may be refused or approval withdrawn if I give false or incomplete information.

I understand that if I knowingly or recklessly make a false or misleading statement: I may be prosecuted; and if convicted, I may have to pay a fine and/or go to prison.

By signing below, you are confirming that you understand and agree with the declaration above.

Title	Mr
First name	James
Last name	Camis
On behalf of (if applicable)	Dwr Cymru Cyfyngedig
Date (DD/MM/YYYY)	23/03/2023

Submit your application

Enter the email address you'd like a copy of your application sent to:

james.camis@dwrcymru.com