

Application for an environmental permit: Part B6.5 Discharging treated domestic sewage effluent of up to 15 cubic metres a day into ground or up to 20 cubic metres a day onto surface water.

About you

Who will be the permit holder?
An individual

An individual

Complete your details:
First name: Keri
Last name: Davies
Address: Glwyd Caenewydd, Powys
Postcode: LD3 8YP
Telephone: 07867508611
Email: keri@nfuconnect.net

Is somebody completing this application on your behalf?

Tell us if you're using an agent or somebody else to complete this application on your behalf
Yes – I'm completing this application on behalf of somebody else

Agent or others acting on behalf of the applicant

Complete your details:
First name: Richard
Last name: Corbett
Address: Roger Parry & Partners, 20 Salop Road
Postcode: SY11 2NU
Telephone: 01691655334
Email address: richard@rogerparry.net

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.

Robert Harding informal and free advice

Gareth Foulks NRW

PAN019395

see below email:

Good afternoon Gail,

In response to your email dated 26/09/2023 I have the following comments:

Application for an environmental permit document

- Any new application to discharge domestic sewage will need to be made using the online application process which can be found at: Natural Resources Wales / Apply for a permit to discharge domestic sewage . When doing so, please reference your previous application PAN019395.

- The Eco Centre proposal is to include a Bistro Café and Gym as well as the Conference room. The calculation for maximum volume of effluent to be discharged includes Non residential Conference Guests but does not account for additional volumes from the gym and café.

- In calculating the maximum volume of effluent to be discharged a figure of 30 Non residential Conference Guests has been used. Is there a potential for this number to rise to 36 if additional beds in the Oak Barn and Poplar Tree lets are utilised?

- Additional staff required onsite to facilitate the running of the Eco Centre and it's facilities must be factored into the calculation for maximum volume of effluent to be discharged.

- The type of sewage treatment plant proposed is an Ecorock – 5010, designed for a daily hydraulic loading of 4.5 m³ per day. This system meets EN12566 – Part 3 standards and is quoted to produce an effluent quality of BOD = 4 mg/l, Ammonia 3 mg/l and Suspended Solids 3 mg/l. I was unable to find the expected Total Phosphorus concentration in the final effluent, this will need to be provided.

- The document states that the treated effluent is to be discharged onto agricultural land via a Wetland Area. The planning application talks of percolation tests for discharge to ground via a drainage field. Please confirm how the effluent is to be discharged.

- The document states "Please treat the information in my application as confidential". Is this correct?

Crai Valley Habitat Regulation Assessment Justification – Suggested revision

- Please confirm the Eco Centre will only be for visitor's resident on site.

- This document states "Private sewage treatment systems discharging domestic wastewater to ground built to the relevant British Standard (BS 6297:2007+A1:2008) where:

the drainage field is located more than 40m from any surface water feature such as a river, stream, ditch or drain, and

Also, to ensure that there is no significant in combination effect, the discharge to ground should be at least 200m from any other discharge to ground. The density of discharges to ground should also not be greater than 1 for every 4ha (or 25 per km²).

There are no discharges to the ground within 200 metres of the proposed soakaway." Please confirm if the treated effluent is to be discharged to a drainage field.

Crai Wetland Outline

- What calculations have been done showing the impact on groundwater from the unlined Horizontal Flow Wetlands?

- Surface water from the SUDS system is shown entering the horizontal flow wetlands, is this correct?

- Where does the discharge from the final horizontal flow wetland go once it exits the stone channel?

- What is the intention of the Vertical Flow Wetland

- What is the intention of the Horizontal Flow Wetlands

This is not an exhaustive list of comments and further information may be required to Duly Make the application. Once Duly Made, an assessment process (including consultation with internal and external consultees) would determine if a permit can be issued.

I'm no longer supporting the Water Quality Permitting Team so I suggest any future correspondence is directed to: waterquality.permitting@naturalresourceswales.gov.uk to ensure it reaches the correct people. I hope this information is of help.

Kind regards.

Gareth.

About your discharge

Where is your septic tank / sewage treatment plant located?

Address Glwyd Caenewydd, Powys
powys
Postcode LD3 8YP

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

SN 89499 24557

What type of premises does your sewage treatment facility serve?

For example, the number of houses or a description such as a pub, café, restaurant, office and so on.

Eco Centre for residents at Glwydcaenewydd whose rooms have existing and separate sewer system.

When did your discharge start?

When did your discharge start? (New or existing)

On or after 1 April 2010 (new discharges)

Could your discharge be made to the foul sewer?

Is your discharge

From another type of premises (for example a pub, cafe, restaurant, campsite or office?)

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 private sewage treatment system and the nearest foul sewer and/or private sewer.

102m

Discharges from all other premises, for example a pub, cafe, restaurant or office
Divide the volume of the discharge (in cubic metres) by 0.75 and then multiply this figure by 30 metres

	Volume of discharge (in cubic metres)	Divided by 0.75	Multiplied by 30 metres
Your premises	2.41	2.73	97

Is this distance you've calculated greater than the distance to the nearest foul sewer you've provided above?

No

Provide evidence why you cannot connect to the foul sewer

You must also 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 If the sewerage undertaker refuses connection to the public sewer, provided evidence that you have requested that they adopt the proposed treatment system If the sewerage undertaker refuses both of the above, you must appeal the refusal with Ofwat and provided evidence of the outcome of that appeal

- File: Crai Valley Habitat Regulation Assessment Justification.pdf - [Download](#)
- File: Ceirion Herbert Comments.pdf - [Download](#)

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

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

2.41

If your discharge comes from a single domestic property, use the table below to work this out. Number of bedrooms in your house Daily volume (m³ per day) 1 to 3 1.4 to 6 1.5 7 to 8 2

If you are discharging sewage from premises other than a single domestic property (for example, from a group of houses, a guest house or a very large house), the volume should be worked out using the Code of Practice: 'Flows and Loads 4 – Sizing Criteria, Treatment Capacity for Small Wastewater Treatment Systems which is published by British Water. (opens in new window)

Show how you calculated the figure given in the box below or upload below:

From Flows and Loads – 4
Non residential Conference Guest 36 x 60l =2160l
Assistants 3 x 50l =150l
Mushroom Shed Office toilet 2 x 50l =100l
Total =2410

What type of sewage treatment system will you be using to treat

your effluent?

All sewage effluent must be treated before it can be discharged into the environment and new systems must conform to the relevant standards For new systems the supplier or manufacturer should be able to provide details For existing systems please provide any information you do have on the system If you tick 'other' please give us more details about the system in the box provided or on a separate sheet and upload it. Tick one box to show what sewage treatment plant you will be using to treat your effluent.

Package treatment plant that meets British Standard BS 12566

Please upload details of the sewage treatment system you'll be using

- File: BROCHURE-MULTIROCK-EN-V4-02-2022-WEB.pdf - [Download](#)

Your sample point

You must provide a sample point where a sample of your discharge can be safely taken before it has mixed with any other discharges.

This sample point is 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 ensure that your discharge passes through the sampling point at all times.

Please give the 12 character national grid reference for the sample point. 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.

There will be a number of testing points 289466 224530 289480 224560 289448 224556 289458 224587 289442 224590

Your discharge point

Tell us where effluent is discharged into the environment.

For discharges into surface water (i.e. rivers, streams, lakes, ponds etc) - this is the location where the discharge is made from the outlet pipe to the surface water. On some occasions discharges are made via surface water sewers owned by someone else before they discharge into a receiving water. Where this is the case the outlet will be the point where the surface water sewer meets the river, stream, ditch or canal.

For discharge into or onto land - this is the location where the effluent from the treatment system enters the infiltration system.

Please give the 12 character national grid reference for the discharge point. 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.

289488 224550

Where will your treated effluent discharge to?

Sewage effluents are usually discharged to one location in one receiving environment.

If you are proposing to discharge multiple effluents, you must complete a separate application form for each effluent and submit the form, along with the correct application fee, for assessment.

Where will your treated effluent discharge to?

Onto land (eg. via reed bed or grass plot)

Discharges onto land

Select from the type of area where the effluent is disposed of

Other (please specify):
lined wetland

What is the surface area (in square metres) of the land used for your disposal?

844m²

Is any part of your infiltration system within 50 metres of a well, spring or borehole?

No

Is the well spring or borehole you have identified used to supply water?

No

Is any part of your infiltration system within 10 metres of a watercourse?

No

Your site plan

Please upload your plan here

- File: Crai Wetland Outline_A1_RevA.pdf - [Download](#)

Your management system

Your permit requires you (as the operator) to ensure that you manage and operate your activities in accordance with a written management system. This management systems identifies and reduces the risk of pollution.

You can find guidance on management systems and what to include in one on our website (opens in new window).

I confirm that I have read the guidance and that my management system will meet NRW requirements

When will you want 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.

* 01/03/2024

Will the discharge take place all year?

For seasonal discharges which only occur for part of the year, tells us when the discharge will take place.

Yes

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.

BACS reference: EPRDAVI0590000

Amount paid: 2464

How we collect your personal data

We will process the information provided by you in line with the Data Protection legislation. For more information on how we manage, store and use your data, see our Privacy Notice (opens in new tab)

I have read and understood this information

Freedom of Information

Under the Freedom of Information Act 2000, anybody may request information from a public authority. The Act grants two statutory rights: to be told if the public authority holds that information; and if so, to have that information communicated to you.

Find out how to request information under the Freedom of Information Act.

I have read and understood this information

Confidentiality and National Security

We will normally put all the information in your application on a public register of environmental information. However, we may not include certain information in the public register if this is in the interests of national security, or because the information is confidential. Confidential information is information that is commercially or industrially confidential in relation to any person and is unlikely to be applicable for small-scale sewage discharges.

You can ask for information in the public register to be made confidential or withheld in the interests of national security by answering the question below and provide information on the next page giving your reasons. If we agree with your request, we will tell you and not include the information in the public register. If we do not agree with your request, we will let you know how to appeal against our decision, or you can withdraw your application.

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

No

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: RJC Email.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	Keri
Last name	Davies
On behalf of (if applicable)	Keri Davies
Date (DD/MM/YYYY)	09/01/2024

Submit your application

Enter the email address you'd like a copy of your application sent to:
richard@rogerparry.net