

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

Please give details of the individual, or where relevant for groups or organisations of individuals, the main representative.	
Title:	Dr
First name:	Ian
Last name:	Jones

Who will be named on the permit?
An individual

Your address

For companies this must be the address on record at Companies House.	
Address	Craig Yn Sholyn Ffordd Bryniau Prestatyn
Postcode	LL19 8RD
Telephone - mobile	07523498116
Telephone - office	07523498116
E-mail address	fftmc@mac.com

About this application

About your sewage treatment facility:

The term 'sewage treatment facility' is used throughout this application form. That term is explained in more detail in the guidance document that accompanies this application form.

Where is the sewage treatment facility?

Address	Craig Yn Sholyn Ffordd Bryniau Prestatyn
Postcode	LL19 8RD
Telephone - mobile	-
Telephone - office	-
E-mail address	-

National Grid Reference for the centre of your sewage treatment facility (12 digit)

306584, 380654

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. You can find guidance on management systems in the guidance notes to part B6.5 and on our website. Please tick the box below to confirm this.

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

About your discharge

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.

Outbuilding - Workshop & Home Office

When did your discharge start? (New or existing)

On or after 1 April 2010 - New

New discharges only

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

Foul sewer means public or private foul sewer.

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 sewer.

140 m

To assess if it is reasonable to discharge your effluent to foul sewer:

Discharges from domestic properties

Multiply the number of properties served by the sewage treatment system by 30 metres.

	Number of properties served by the sewage treatment system	Multiplied by 30 (in metres)
Discharges from domestic properties	0	0

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 the discharge (in cubic metres)	Divided by 0.75	Multiplied by 30 (in metres)
Discharges from all other premises	0.1	0.075	2.25

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.

Before you submit the application, you must explore the possibility of connecting to the foul sewer, and send us evidence that you have approached the sewerage undertaker, including their formal response regarding connection, if relevant. You must also show the extra cost of connecting to a sewer compared to the treatment system you propose, and details of any physical obstacles for example roads, railways, rivers or canals.

We will only agree to the use of private treatment systems within sewerage areas if you can demonstrate that: the additional cost of connecting to the foul sewer would be unreasonable connection is not practically feasible, or the proposed private treatment system can be shown to significantly benefit the environment

We are unlikely to grant a permit for a discharge of treated domestic sewage in circumstances where a private sewerage system is being proposed due to a lack of capacity in the nearest public sewerage network. The guidance document which supports this application will help you understand what information you need to provide in order to answer this question.

Please provide your explanation below:

This is for a new outbuilding currently under construction (Planning Permission Received 9th July 2021 - Denbighshire CC - 0338/21/PH) on a 3 Ha small holding, consisting of workshop, store, home office, kitchenette and bathroom. Bathroom is for limited use and will have a composting toilet, a hand washing sink, and a shower for occasional use. A small kitchenette will serve for making drinks and snacks and washing. Biodegradable Eco soaps will be used and the grey water will be run through a solids separator and filter system before being used to water a 25 m x 10 m area of trees and dense semi-natural vegetation. Soils in this area are approximately 0.5 m thick, highly aerated, organic-rich, with a dense root system from Ivy, Sycamore, Ash, Silver Birch, Aspen, Holly and a large variety of native plants. Rainfall runoff from the outbuilding roof (66 m²) will also be run into the same watering system (bypassing filtration), with an overflow (for high flows) into a separate purpose-built soakaway with sand and organic soils filtration. Groundwater in the underlying limestone aquifer is > 95 m below ground level (135 m AOD). Compost from the composting toilet will be used to fertilise more than 450 recently planted trees and wild plants on the smallholding.

Anticipated average water discharge rates are less than 100L/day, primarily because the outbuilding is ancillary to the domestic residence approximately 40 m away. The reasons for having a bathroom in the outbuilding are for health and safety, cleaning, and the fact that the domestic residence is approximately 20 metres below the outbuilding and requires walking up and down 66 steps to access.

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

What is the maximum volume of effluent you will discharge in a day (in m³)?

0.1

Show how you calculated the figure given in the box below.

See previous notes.

This is for an Outbuilding - Grey Water only.

Daily consumption assumes use of low-flow shower (9L/min) for 6 minutes (54L) + 4 x 4 L sinks of water for washing (16 L) + 30 L for rinsing and cleaning. Composting toilet used. Shower unlikely to be used most days.

Your sample and discharge points

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

Other (please provide design details):

Also see previous notes.

Composting Toilet for occasional use. Grey water discharge primarily from washing and rinsing; use of biodegradable Eco Soaps. Grey water discharge through solids separator and filter to be used to irrigate a sloped area of approximately 25 x 10 metres, comprising densely vegetated 0.5 m thick, organic-rich soil over permeable limestone. Grey water used to water trees and vegetation. Rainfall runoff from Outbuilding roof (66 m²) also added to grey water irrigation system (bypass filter) and will help to flush out and keep irrigation pipes clean. Excess water diverted to purpose-built soakaway with 1 metre of aerobic sand and organic soil filtration. Irrigated area and soakaway are below Outbuilding elevation and 75 metres to nearest other property.

Sample Point location

This does not apply if you are discharging to ground up to 5 cubic metres (5m³) a day from an existing system.

You must provide a sample point where a sample of your discharge can be safely taken before it has mixed with any other discharges such as rainwater run off if you are making:

- an existing or new discharge to surface water
- an existing discharge to groundwater and the volume is more than 5 cubic metres (5m³) a day
- a new discharge to groundwater

You must also identify it on your plan.

Tell us where your sample point is:

Same as outlet point

National grid reference for sample point (12 digit)

306584, 380654

Discharge point location

Please give the national grid reference for the discharge point (12 digit)

306584, 380654

Where will your treated effluent discharge to?

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.

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):

See Previous descriptions also. 25 x 10 m densely vegetated slope with aerobic, organic-rich soil (approx. 0.5 m thick). Newly planted Aspen and Birch.

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

250

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 (see guidance note to part B6.5)

Please upload your plan here

- File: Plan for STS.pdf - [Download](#)

Payment

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

Please note that this is the date that your annual subsistence charges will start, even if you have not started to discharge, unless you contact us to change (delay) the start date.

* 30/06/2022

Will the discharge take place all year?

Yes

Is the maximum volume of effluent you will discharge five cubic metres (m3) or less a day?

Yes - The reduced fee applies and you do not have to pay an annual subsistence charge.

Who can we talk to about your billing or invoice?

Same as application contact

How do you want to pay for your application fee?

Credit or debit card

Declaration

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	Dr
First name	Ian
Last name	Jones
On behalf of (if relevant)	Myself
Today's date	11/01/2022