

# 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.	
<b>Title:</b>	Mr
<b>First name:</b>	Valentin
<b>Last name:</b>	Ivanov

Who will be named on the permit?
A registered company or other corporate body

## A registered company or other corporate body

Please provide details below:	
<b>Company name</b>	GRŴP AMOS CYMRU CYF
<b>Company registration number</b>	08390454
<b>Date of registration (DD/MM/YYYY)</b>	06/02/2013

Contact name for the company	
<b>Title</b>	Mr
<b>First name</b>	Mark
<b>Last name</b>	Dauncey

## Your address

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

<b>Address</b>	Aberbraint Ffordd Brynsiencyn, Llanfairpwllgwyngyll, Ynys Mon, United Kingdom
<b>Postcode</b>	LL61 6PB
<b>Telephone - mobile</b>	07851252544
<b>Telephone - office</b>	07851252544
<b>E-mail address</b>	mark.dauncey@amosgroup.co.uk

Agent or others acting on behalf of the applicant

If you want us to contact an agent or another person not named above, their details must be provided below. This can be someone acting as a consultant or an 'agent' for you.

<b>Title</b>	Mr
<b>First name</b>	Valentin
<b>Last name</b>	Ivanov
<b>Address</b>	- - -
<b>Postcode</b>	B33LP
<b>Telephone - mobile</b>	07801953421
<b>Telephone - office</b>	01217160100
<b>E-mail address</b>	valentin.ivanov@linkeng.co.uk

## About this application

Have you spoken to us already about this application?

If you have had discussions with us before your application, give us the case reference or details.

PAN-016920

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?

<b>Address</b>	Llwyn Onn Llanddaniel Fab, Star, Isle of Anglesey, Wales, United Kingdom
<b>Postcode</b>	LL61 6DY
<b>Telephone - mobile</b>	-
<b>Telephone - office</b>	-
<b>E-mail address</b>	-

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

SH 51637 70357

## 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.

14 Dwellings

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.

650

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	14	420

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

There are two charges depending on volume of the discharge. Anything below 5 cubic metres costs £129 and over 5 cubic metres is £912.

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

8.4

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

Following the recommended values from 'Flows and Loads – 4' for a standard residential unit the recommended flow is 150 litres per day per person, BOD is 60 grams per day per person and Ammonia is 8 per day per person.

Following point 5 from the same guidance, it is accepted that each 2-bedroom dwelling is designed for a population (P) of 4 people – 4P, each 3-bedroom dwelling is designed for 5P and each 4-bedroom dwelling is designed for 6P

4 number 2bed dwellings =  $4 \times 4P = 16P$

7 number 3bed dwellings =  $7 \times 5P = 35P$

3 number 4bed dwellings =  $3 \times 6P = 18P$

Total: 69P

When the calculated total P for a group of houses exceeds 12P, a reduction may be made to allow for the balancing effect of the daily flow of a group of houses. The reduction coefficient used is 0.8.

$\times 0.8 = 55.2P$  rounded to 56P

Calculated design flow is  $56P \times 150 \text{ l/p/d} = 8400 \text{ l/d} = 8.4\text{m}^3$  per day.

The existing treatment plant is Ultra Polylok 60PE supplied by Marsh Industries. Following the manufacturer characteristics, the effluent quality provided by the plant is 20:30:20mg/ltr (BOD:suspended solids:ammonia)

## Your sample and discharge points

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

Package treatment plant that meets British Standard BS 12566

#### Sample Point location

This does not apply if you are discharging to ground up to 5 cubic metres (5m<sup>3</sup>) 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 (5m<sup>3</sup>) 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)**

SH 51704 70281

#### Discharge point location

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

SH 51704 70281

#### 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.

Into land (drainage field)

### **Discharges into land (drainage field) after 1 April 2010**

Is your infiltration system designed and built to British Standard 6297:2007 + A1:2008?

Yes

**If no, please provide details of the design criteria used for your infiltration system. You must justify why it is not designed to British Standard 6297:2007 + A1:2008.**

Following the formula given in GGP4 at page 38, the size of the infiltration field has to be as follows:

$A = p \times V_p \times 0.20$  for package treatment plants where:

p – the number of people served by the tank

$V_p$  – Percolation value described above

The proposed development comprises of total of 14 dwellings as follow:

- 4 number 2-bedroom dwellings

- 7 number 3-bedroom dwellings

- 3 number 4-bedroom dwellings

Following the recommended values from 'Flows and Loads – 4' for a standard residential unit the recommended flow is 150 litres per day per person.

Following point 5 from the same guidance, it is accepted that each 2 bedroom dwelling is designed for population (P) of 4 people – 4P, each 3 bedroom dwelling is designed for 5P and each 4 bedroom dwelling is designed for 6P

4 number 2bed dwellings =  $4 \times 4P = 16P$

7 number 3bed dwellings =  $7 \times 5P = 35P$

3 number 4bed dwellings =  $3 \times 6P = 18P$

Total: 69P

When the calculated total P for a group of houses exceeds 12P, reduction may be made to allow for the balancing effect of daily flow of a group of houses. Reduction coefficient used is 0.8.

$69P \times 0.8 = 55.2P$  rounded to 56P

Infiltration area required is as follows:

$A = 56(\text{people}) \times 37(V_p) \times 0.2 = 414.4 \text{ m}^2$ , accepted size for the field is 430.0 m<sup>2</sup>

On what date did you carry out a percolation test and dig a trial hole in line with British Standard 6297:2007 + A1:2008?

\* 24/11/2021

What is your percolation value ( $V_p$ ) result (seconds per millimetre)?

37

If known, mark on the plan you have provided the extent of the infiltration system. Please write on the plan the length and width of the sides in metres. Please tick below to indicate this is complete

This is complete

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

No (please skip the next question)

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: LLW-LE-GEN-XX-DR-CE-500 - Drainage Layout.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.

\* 01/11/2022

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?

No - The standard application fee applies (£912). Please note that there is an annual subsistence charge to cover the costs we incur in the ongoing regulation of the permit.

Who can we talk to 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** Fee to be transferred from previous application

**Amount paid** 912

## 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

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.

<b>Title</b>	Mr
<b>First name</b>	Mark
<b>Last name</b>	Dauncey
<b>On behalf of (if relevant)</b>	N/A
<b>Today's date</b>	03.11.22

**Submit your application**



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

valentin.ivanov@linkeng.co.uk