

Application for an environmental permit: Part B6 - new bespoke water discharge activity and groundwater (point source) activity v1

About you

Who will be the permit holder?

A registered company (including limited liability partnerships) or other corporate body

Registered company or other corporate body

Please provide details below

Company name: Jones Brothers (Henllan) Limited
Company address: Heol Parc Mawr, Busnes Parc Cross Hands,
Cross Hands, Llanelli
Company postcode: SA14 6RE
Company registration number: 01553486
Date of registration (DD/MM/YYYY): 27/03/1981

Contact name for the company

Title -
First name: Nicolaas
Last name: Blignaut
Email: nb@jbhl.co.uk
Telephone: 07508582190

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

No – I'm completing this application for myself

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.

SC/ET/NW/WIRS2401652 We then conducted a site walkover, and discussed potential ways of improving the quality of the discharge from site, including but not limited to; increasing the capacity of the settlement lagoon and increasing the retention time of the water within the treatment process. We spoke about the use of a certified environmental consultant to be able to calculate a sufficient capacity for the settlement lagoon, and to be able to suggest methods of treatment to improve the quality of the discharge from site.

CEMP - with silt lagoon of 463 cubic metres capacity discharging through straw bales into Nant Munudd culvert.

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

Yes

If yes please tell us what has changed

2 in number Siltbusters of 40 cubic metre capacity brought in for water remediation. First for lamellar flow filtration for limited discharge into Welsh Water foul systems, permit application in place, flow volume (between 1 and 11 litres per minute) being agreed with Flood department. Second Siltbuster with chemical treatment/ flocculant system to be final stage of on site water management before discharging to Nant Munudd culvert. On site controls altered to East elevation with additional water channel cut in site boundary (along fenceline) to ensure all water flows to the south elevation filtration trench with water breaks of clean stone and Hay every 20 metres, before flowing into (increased volume) 600 cubic metre silt lagoon. This water will then be run through the Siltbuster and treatment chemicals to get clean water for discharge into culvert. Additionally we have created a temporary holding dam of 1500 cubic metres in the centre of the site due to the large volume of water entering site. Once discharge volumes reduce the on site volumes, we will reduce then remove the dam as we bring in the designed water management systems for the property. Further consultation with Frog Environmental may see additional changes suggested as work activity progresses.

Where will you be discharging?

Please complete

Site name Land off Hafod Wen

Address Hafod Wen
Tonyrefail

Postcode CF39 8LB

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/>

ST 01976 88620

About the effluent

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

Rain, Surface and ground water running across construction site during construction work of retaining walls and new sustainable drainage system installation. Potential for soil/ silt contamination, which will be run through on site water filtration and siltbuster chemical treatment to present as clean water discharge to Nant Munudd culvert.

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.

Site drainage

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 – rainfall dependent (such as site drainage)

Trade – rainfall dependent: 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.

* 25/02/2024

Is the discharge time limited?

No

Could your discharge from other premises be made to the foul sewer?

How far away is the nearest foul sewer from the boundary of the properties (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.

81 metres

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	10	7.5	225

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

Yes

Trade – rainfall dependent: How much do you want to discharge?

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

35

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

1

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

Spring Design: SAB Calculation on greenfield runoff rate on 1.06ha/25000m² for 1 in 1 year storm at 12.4l/s (1 in 100 =30.8 l/s). Water collects and settles in 461m³ capacity lagoon.
Using a 2 stage (coagulant + flocculant) Siltbuster with a capacity of up to 30m³ per hour (or 8l/s), which is drawing water from the attenuation lagoon, through the dosing and settlement system to prevent surge pumping and affecting treatment of surface water.
The flow rate will be set to 1.0 l/s (3.5 m³/hour) running between 08:00 and 17:00

Trade - rainfall dependent: How will the effluent be treated?

Do you treat your effluent?

Yes

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	10 Lagoon
Second treatment	04 Chemical
Third treatment	09 PH correction
Fourth treatment	99 None

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: SE32819-RW-01 - Sale of 2 stage - Tonyrefail, CF39 8LB - Jones Bros (Henllan) Ltd.pdf - [Download](#)

Trade – rainfall dependent: 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.

No

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

Give the maximum temperature of your discharge in degrees Celsius

15

Trade – rainfall dependent: 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

ST 01979 88623

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

What is the 12 character national grid reference of the flow monitoring point?

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

ST 01979 88623

Your management systems

What management system will you provide for your regulated facility?

Own management system

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

Yes

You must send a suitable summary of your management system with your application – that includes enough information to allow us to assess whether your full system meets the standards set out in our guidance.

- File: ConstructionPhase EMS SW plan.docx - [Download](#)

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

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	Nant Munudd Culvert	ST019886	Munudd	Surface water
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-

Is the discharge into a

Canal

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: 2420-520-N - Engineering Layout.pdf - [Download](#)

How do you want to pay?

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

Same as application contact

If a new contact, please provide details:

Title	-
First name	Nicolaas
Last name	Blignaut
Address	Jones Brothers (Henllan) Limited, Heol Parc Mawr, Cross Hands Busnes Parc, Llanelli
Postcode	SA14 6RE
Telephone	07508582190
Email address	nb@jbhl.co.uk

How do you want to pay for your application fee?

Credit or debit card

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

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	-
First name	Nicolaas
Last name	Blignaut
On behalf of (if applicable)	Jones Brothers (Henllan) Limited
Date (DD/MM/YYYY)	19/03/2024

Submit your application

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

nb@jbhl.couk