

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

Q1. Who will be the permit holder?
A registered company (including limited liability partnerships) or other corporate body

An organisation or group of individuals

Q2. Please provide details
No Response

Q3. We can only issue permits to named individuals. Please provide the details below of any additional individuals that need to be named on the permit. This includes each person in a partnership. If the permit is for multiple properties it will help to apply as a management company rather than as a large number of individuals.
No Response

Q4. Add another contact
No Response

Q5. If you want to include additional permit holders please upload their details:
No Response

A public body

Q6. Public body details
No Response

Q7. Executive Officer's details
No Response

Registered company or other corporate body

Q8. Please provide details below

Company name: Hochtief (UK) Construction Ltd

Company address: Whitehill House, Windmill Hill Business Park
Whitehill Way, Swindon

Company postcode: CN5 6PE

Company registration number: 02489026

Date of registration (DD/MM/YYYY): 04/04/1990

Q9. If you are applying as a corporate organisation that is now a limited company, please upload evidence of your status.

If you are an unregistered corporate body, you will need to give us evidence that you are a legal body and we can issue a permit to you.

No Response

Q10. Contact name for the company

First name: David

Last name: Grantham

Email: David.Grantham@hochtief.co.uk

Telephone: 07502 264034

An individual

Q11. Complete your details:

No Response

Is somebody completing this application on your behalf?

Q12. 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

Q13. Complete your details:

First name: Aled
Last name: Williams
Address: Waterco Ltd, Lon Parcwr Business Park, Ruthin
Postcode: LL15 1NJ
Telephone: 01244986026
Email address: aled.williams@waterco.co.uk

Pre-application discussions

Q14. Did you have pre-applications discussions with Natural Resources Wales about this activity?

No

Pre-application discussions

Q15. 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.

No Response

About your discharge

Q16. Where is your septic tank / sewage treatment plant located?

Address land south of Blaen Cefn Caravan Park
Penrhyndeudraeth
Postcode LL48 6DR

Q17. 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

SH 62024 39715

Q18. 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.

100 temporary one bed 'bunkabin' style accommodation units and associated staff canteen

When did your discharge start?

Q19. 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?

Q20. Is your discharge

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

Could your discharge from domestic properties be made to the foul sewer?

Q21. 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.

No Response

Q22. Multiply the number of properties served by the sewage treatment system by 30 metres.

No Response

Q23. Is this distance you've calculated greater than the distance to the nearest foul sewer you've provided above?

No Response

Could your discharge be made to the foul sewer?

Q24. 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.

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Q25. 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	15	20	600

Q26. 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

Q27. 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

No Response

Q28. You must explain why you cannot connect to the foul sewer:

The proposal is for temporary workers accommodation required for the Eryri Visual Impact Provision scheme (tunnelling beneath the Dwyryd Estuary to lay electricity cables). It is estimated that the site will be occupied until the end of 2026.

A connection to the public sewer, the nearest being in Pool Street approximately 370m west of the site, would require: crossing beneath an unnamed watercourse; a pumped solution; and crossing third party agricultural land. Based on the temporary nature of the development and significant engineering involved in making a new connection, a connection to the public sewer is not considered to be viable.

Welsh Water would not agree to a temporary connection to the public sewer.

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

Q29. Tell us the maximum volume of effluent you will discharge in a day (in cubic metres)?

15

Q30. 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:

Maximum daily discharge has been estimated using data from British Water Flows and loads 4. 100 single bed units are proposed, equating to a maximum occupation of 100 people on site. Each cabin has a shower, WC and basin. A canteen is also proposed on site.

Shower 40 litres per use. Estimate 2 uses per person per day. 200 uses x 40 litres = 8m³

Toilet 10 litres per use. Estimate 4 uses per person per day. 400 uses x 10 litres = 4m³

Canteen - 30 litres per person per day. 30 x 100 = 3m³

Total = 15m³.

Q31. Upload how you calculated the figure given in the box below:

No Response

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

Q32. 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

Q33. Please upload details of the sewage treatment system you'll be using

- File: kingspan-klargestar-biodisc-bf-bn-brochure.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.

SH 62024 39715

Your discharge point

Q34. 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.

SH61973 39716

Where will your treated effluent discharge to?

Q35. 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?

Freshwater river, stream, ditch or canal

Discharges to a river, stream, ditch or canal

Q36. Give the name of the watercourse, canal or the main watercourse it is a tributary of if you know it:

The name will usually be shown on an Ordnance Survey map. If the receiving water is unnamed, please indicate the named watercourse into which it flows, for example 'an unnamed tributary of the River Wye'

Unnamed tributary of the River Dwyryd

Q37. Is the discharge into:

A river, stream or ditch

Q38. Does the watercourse dry up for part of the year?

We prefer effluent to discharge to watercourses which flow all year. Discharging to a seasonally dry watercourse may cause the effluent to pond which can cause odour and other local problems

No

Q39. Does the discharge reach the watercourse or canal by flowing through a surface water sewer?

No

Discharges into land (drainage field)

Q40. A drainage field is a restricted and well defined area of ground designed to allow liquid to drain into the surrounding soil. It typically includes a system of sub surface perforated pipe.

When was your drainage field installed?

No Response

Discharges into land (drainage field)

Q41. New infiltration systems (which means those installed after 1 April 2010) must be built to British Standard 6297:2007 + A1:2008. This ensures that the size of the drainage field is appropriate to the rate of discharge and the infiltration capacity of the ground, minimising the risk of pollution to groundwater.

Note that Building Research Establishment (BRE) 365 'soakaway design' guidance is not appropriate for the design of drainage fields to dispose of wastewater from septic tanks and packaged treatment works. BRE 365 guidance is used to design soakaways to dispose of storm water and to discharge the water sufficiently quickly to provide capacity to receive run-off from subsequent storms.

Does your drainage field meet the requirements of British Standard 6297:2007 + A1:2008?

No Response

Discharges to ground (drainage field) before 1 April 2010

Q42. Tell us when your drainage field was installed (if you don't know the exact date it's ok to give us an approximate date, for example '1950s')

No Response

Q43. If you have any information on how your drainage field was constructed please tell us in the box below or upload the information.

No Response

Q44. Information on how your drainage field was constructed. Please upload any documents you wish to include.

No Response

Discharges into land (drainage field) after 1 April 2010

Q45. On what date did you carry out a percolation test and dig a trial hole in line with British Standard 6297:2007 + A1:2008?

No Response

Q46. What is your percolation value (Vp) result (seconds per millimetre)?

Drainage field disposals should only be used when percolation tests indicate average values of Vp between 15 and 100 and the preliminary assessment of the trial hole tests has been favourable. The minimum value of 15 ensures that untreated effluent cannot percolate too rapidly into groundwater. Where Vp is above the limit of 100 effective treatment is unlikely to take place in a drainage field as there will be inefficient soakage in this location which may lead to sewage ponding on the surface.

No Response

Q47. Please show in the table how you worked out the percolation value:

No Response

Q48. Please show us how you have calculated the area (A) of your infiltration system:

$p \times Vp \times 0.25$ for septic tanks = A Square metres

or

$p \times Vp \times 0.20$ for sewage treatment plants = A square metres

p is the population based on maximum occupancy

Vp is the percolation value in seconds per millimetre

No Response

For sewage treatment plants:

No Response

Discharges into land (drainage field)

Q49. Is any part of your infiltration system within 50 metres of a well, spring or borehole?

No Response

Q50. Is the well spring or borehole you have identified used to supply water?

No Response

Q51. Is any part of your infiltration system within 10 metres of a watercourse?

No Response

Discharges onto land

Q52. Select from the type of area where the effluent is disposed of

No Response

Q53. What is the surface area (in square metres) of the land used for your disposal?

No Response

Q54. Is any part of your infiltration system within 50 metres of a well, spring or borehole?

No Response

Q55. Is the well spring or borehole you have identified used to supply water?

No Response

Q56. Is any part of your infiltration system within 10 metres of a watercourse?

No Response

Discharges to tidal river, tidal stream, estuary or coastal waters

Q57. Give the name of the tidal river, tidal stream, estuary or area of coastal water if you know it.

No Response

Q58. Is the discharge into

No Response

Q59. Is the discharge point above the mean low water spring tide mark?

The mean low water spring tide mark can usually found on Ordnance Survey maps. Discharges should be made below this point to prevent effluent flowing across beaches, exposed river beds or mud flats and so on

No Response

Q60. Does the discharge reach the tidal river, tidal stream, estuary or area of coastal water by flowing through a surface water sewer?

No Response

Q61. If 'Yes', please provide the 12 character national grid reference where the discharge enters the surface water sewer (for example, AB 12345 67890):

To find out the 12 character grid reference, you can search on the UK grid reference finder website

No Response

Discharges to a lake or pond

Q62. Give the name of the lake or pond if you know it

No Response

Q63. What is the surface area of the lake or pond in square metres?

No Response

Q64. What is the maximum depth of the lake or pond in metres?

No Response

Q65. What is the average depth of the lake or pond in metres?

No Response

Q66. If discharging to a pond, is the pond lined or unlined?

No Response

Your site plan

Q67. Please upload your plan here

- File: Environmental Permit - Location Plan.pdf - [Download](#)

Your management system

Q68. 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 system 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?

Q69. 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.

* 03/07/2023

Q70. Will the discharge take place all year?

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

Yes

How do you want to pay?

Q71. Who can we talk to you about your billing or invoice?

No Response

Q72. If a new contact, please provide details:

First name: Aled

Last name: Williams

Address: Waterco Ltd, Lon Parcwr Business Park, Ruthin

Postcode: LL15 1NJ

Telephone: 01244986026

Email: aled.williams@waterco.co.uk

Q73. How do you want to pay for your application fee?

Credit or debit card

Paying by electronic transfer

Q74. Please provide your reference for the payment.

No Response

Paying by cheque or postal order

Q75. You should make cheques or postal orders payable to Natural Resources Wales and they should be marked 'A/c Payee'.

We will not accept post-dated cheques (cheques with a future date written on them).

No Response

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

Q76. 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

Claiming confidentiality and National Security (continued)

Q77. Please upload your evidence

No Response

Declaration

Q78. 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

Q79. Upload written confirmation here

- File: Environmental Consent Application authority letter 05.06.23.pdf - [Download](#)

Q80. 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	Aled
Last name	Williams
On behalf of (if applicable)	Hochtief (UK) Construction Ltd
Date (DD/MM/YYYY)	12/06/2023

Q81. If additional signatories are required, please complete the sections below.

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.

No Response

Q82. 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.

No Response

Q83. If additional signatories are required, please complete the sections below.

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.

No Response

Q84. For any additional applicants, please upload a copy of their declaration.

No Response

Q85. 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.

No Response

Submit your application

Q86. Enter the email address you'd like a copy of your application sent to:

aled.williams@waterco.co.uk