

Application to change an environmental permit: Part C6 - new bespoke water discharge activity and groundwater (point source) activity

About you

Tell us the permit number for the environmental permit you want to change. The permit number may also be referred to as your 'consent number' or your 'authorisation number' in documents that have been issued before April 2010.

CG0408201

Tell us who is making the application to change this permit.

First name: Matt

Last name: Carnell

Address: Knoulton Farmhouse Cheese Limited

Postcode: LL13 0LG

Telephone: 01978 710221

Email: matt.carnell@kfcheese.co.uk

Only the permit holder(s) or somebody authorised to act on their behalf can change the permit.

Are you the permit holder or somebody who is authorised to act on their behalf?

Yes

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

Agent or others acting on behalf of the applicant

Complete your details:

First name: Matt
Last name: Carnell
Address: Knoulton Farmhouse Cheese Limited
Postcode: LL13 0LG
Telephone: 01978710221
Email address: matt.carnell@kfcheese.co.uk

1 Pre-application discussions

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

No

What do you need to change?

Complete one

I need to make technical changes to my permit

Tell us about your proposed technical change

There are three different types of technical change you can make to a permit: minor, normal and substantial.

Minor variation

For changes which need some technical input from NRW, for example applications to:
Reduce the volume of discharge where no review of existing substances or habitats assessment is required Normal Variation

For changes requiring technical input from NRW, for example applications to Change outlet location which requires a review of any existing substance or habitat assessment
Change the volume or the quality (or content) of a discharge and no new assessment of emission limits for specific substances is needed. Substantial variation

Where a significant assessment is required, including: Change the volume or change the quality of a discharge and a new assessment of emissions limits for specific substances is needed Specific substances are: Hazardous pollutants for water discharge activities
Hazardous substances or non-hazardous pollutants for groundwater activities

Please give us details of the proposed technical change in the box below:

Knoulton Farmhouse Cheese Limited is varying the permit to only increase the daily discharge volume from 800m3/per day to 1,500m3 per day and increase the discharge temperature from 25 degrees Celsius to 30 degrees Celsius.

What type of change is this?

Substantial

If you need to provide more information you can upload a document below

- File: Appendix A - Non-Technical Summary Knolton Farmhouse Cheese Draft.pdf - [Download](#)
- File: Appendix B - Justification of why effluent cannot be discharged to Foul Drain Knolton Farmhouse Cheese.pdf - [Download](#)
- File: Appendix D - Environmental Risk Assessment - Knolton Farmhouse Cheese v1.1.xlsx - [Download](#)
- File: Appendix E - Best Available Techniques - Knolton Farmhouse Cheese v1.1.xlsx - [Download](#)
- File: Appendix H - Knolton Farmhouse Cheese Drainage Plan Oct 2023.pdf - [Download](#)

Where will you be discharging?

Please complete

Site name Knolton Farmhouse Cheese Limited

Address Oswestry Road
Overton, Wrexham

Postcode LL13 0LG

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/>

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About the effluent

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

Treated Trade effluent - variation to an existing permit.

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.

Trade effluent.

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 – known volume (including process effluents, wash waters, close circuit cooling waters, boiler blowdown, filter backwash, pumped mine water)

Trade – known volume: 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.

* 01/04/2024

For seasonal discharges which only occur for part of the year, tells us when the discharge will take place. Where a discharge will continue at a significantly lower rate over a period you should complete this question and also send in details of the seasonal variation. For example, campsites which are closed in winter but have a residual throughput from residential properties on site all year.

Will the discharge take place all year?

Yes

Will the discharge take place on more than six days in any year?

If you answer 'no' you must be able to comply with the requirement to discharge on six days or fewer in any year as this will be a permit condition. It would apply only to batch processes such as the emptying of fish rearing ponds or planned shutdowns of plant or equipment

Yes

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.

1000

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 | 1500 | 2000 | 60000 |

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

Yes

Trade – known volume: How much do you want to discharge?

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

1,500

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

17.36

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

Refer to H1 findings and refer to website https://www.convert-me.com/en/convert/flow_rate_volume/m3_day/m3_day-to-liter_s.html?u=m3_day&v=1500.

Tell us how you have calculated this figure by uploading a copy of your workings

- File: Appendix C - Summary of H1 Findings Knolton Farmhouse Cheese v2 draft.pdf - [Download](#)

Trade – known volume: 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 | 11 Screening |
| Second treatment | 04 Chemical |
| Third treatment | 01 Package treatment plant which meets BS 12566 |
| Fourth treatment | 21 Activated |

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: part-c6_form-v2_final.pdf - [Download](#)
- File: Appendix K - MCERTS MAG 5100W.pdf - [Download](#)
- File: Appendix M - DIALT00004 Underlying Climate Change Agreement - Dairy Sec v3.pdf - [Download](#)
- File: Appendix I - Current Permit CG0408201 issued 15072020 - PAN-008144 Signed Permit.pdf - [Download](#)
- File: Appendix G - KFC Summary of H1 for the variation permit issued 15 July 2020.pdf - [Download](#)

Trade – known volume: 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.

Yes

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

You must also send us any information on samples that you may have

- File: Appendix C - Summary of H1 Findings Knolton Farmhouse Cheese v2 draft.pdf - [Download](#)
- File: Appendix D - Environmental Risk Assessment - Knolton Farmhouse Cheese v1.1.xlsx - [Download](#)

Give the maximum temperature of your discharge in degrees Celsius

30

Trade – known volume: 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

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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

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Does the flow monitor have an MCERTS certificate?

Yes

If yes, please give the certificate number:

Sira MC080 136/09

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: Appendix F - EMS 01 [Environmental Management System] Knolton Farmhouse.pdf - [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 | Outlet 1 | SJ3618141183 | River Dee | - |
| 2 | - | - | - | - |
| 3 | - | - | - | - |
| 4 | - | - | - | - |
| 5 | - | - | - | - |

Is the discharge into a

Stream

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

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 Stuart
Last name Latham
Address Knoulton Farmhouse Cheese Limited
Postcode LL13 0LG
Telephone 01978710221
Email address Stuart.latham@kfcheese.co.uk

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.

Payment reference: EPRKNOLTONFCCG0408201 Knolton Farmhouse Cheese

Amount paid: £7,860.00

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

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 | Stuart Robert |
| Last name | Latham |
| On behalf of (if applicable) | Stuart Robert Latham |
| Date (DD/MM/YYYY) | 07/02/204 |

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.

| | |
|-------------------------------------|------------|
| Title | Mr |
| First name | Stuart |
| Last name | Latham |
| On behalf of (if applicable) | - |
| Date (DD/MM/YYYY) | 07/02/2024 |

Submit your application

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

matt.carnell@kfcheese.co.uk; maria.priestley@em-solutions.co.uk;