Apply for a bespoke water discharge or groundwater activity permit

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:	National Grid Electricity Transmission plc
Company address:	National Grid House
	Warwrick Technology Park
Company postcode:	CV34 6DA
Company registration number:	02366977
Date of registration (DD/MM/YYYY):	01/04/1989

Contact name for the company	
Title	-
First name:	John
Last name:	Lamb
Email:	john.lamb@nationalgrid.com
Telephone:	07710 048 313

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
Yes – I'm completing this application on behalf of somebody else

Agent or others acting on behalf of the applicant

Complete your details:

First name:	Anthony
Last name:	Marsh
Address:	8 First St, Manchester
Postcode:	M15 4RP
Telephone:	+44 16120 05126
Email address:	anthony.marsh@wsp.com

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.

Refer to case number ref. WPCC16876. This is also discussed in Section 2 of the Supporting Report that will accompany this application.

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

No

Where will you be discharging?

Please complete

Site name	Trawsfynydd Substation
Address	Trawsfynydd Blaenau Ffestiniog
Postcode	LL41 4DT

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/ (opens in new tab)

SH 69188 38423

About the effluent

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

Groundwater abstracted during dewatering of excavations, as part of construction works, lasting more than 3 months.

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.

Construction Dewatering 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 – returned abstracted water (including ground source heating and cooling schemes)

Trade - returned abstracted water: 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.

* 06/11/2026

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.

See Supporting Report.

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	N/A	N/A	N/A

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

Yes

Trade – returned abstracted water: How much do you want to discharge?

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

35.6

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

11

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

See Supporting Report Section 3.2 and Appendix C of the Supporting Report.

Trade – returned abstracted water: 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	29 Settlement
Second treatment	-
Third treatment	-
Fourth treatment	-

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: GGP PTNO Trawsfynydd Substation WDA Permit Application Supporting Report.pdf - Download

Trade – returned abstracted water: 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

14 - Temperature of groundwater to be abstracted will not be affected by abstraction and discharge activities.

Trade – returned abstracted water: 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 (opens in new tab)

Multiple - See Supporting Report.

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

If yes, provide the 12 digit national grid reference for the pre and post UV monitoring locations:

Pre UV treatment N/A

Post UV treament N/A

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 (opens in new tab)

Multiple - See Supporting Report.

Does the flow monitor have an MCERTS certificate?

No

Mixed effluent – containing any rainfall dependent effluent: 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.

* 01/09/2026

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.

N/A

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	N/A	N/A	N/A

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

Yes

Mixed effluent – containing any rainfall dependent effluent: How much do you want to discharge?

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

35.6

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

0.41

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

35.6

What is the maximum rate of rainfall dependent discharge (in litres per second)?

0

Show how these figures were calculated

- File: Trawsfynydd Dewatering Assessment.pdf - Download

Mixed effluent – containing any rainfall dependent effluent: How will the effluent be treated?

Do you treat your effluent?

No

If no, please explain why the effluent will not be treated:
Please see Supporting Report attached to this application.

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: PLACEH~1.DOC - Download

Mixed effluent – containing any rainfall dependent effluent: 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
Max. 14 based on ambient groundwater temperatures. Temperature will not be affected by discharge mechanism.

Mixed effluent – containing any rainfall dependent effluent: 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 (opens in new tab)
See Supporting Report

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 (opens in new tab)
See Supporting Report

Does the flow monitor have an MCERTS certificate?
No

Your management systems

What management system will you provide for your regulated facility?
ISO 14001

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: GGP PTNO Trawsfynydd Substation WDA Permit Application Supporting Report.pdf - Download

Where will the effluent discharge to?

Where will the effluent discharge to?
Onto land

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.
Yes

Are there any other factors we need to take into account as part of your application?
No
If yes, please give details: Please see supporting report for additional detail on discharge locations.

Discharges onto land

Environmental risk assessment and modelling

You must carry out a groundwater quantitative risk assessment following the guidance in ‘Groundwater risk assessment for your environmental permit’ (opens in new tab). We cannot undertake assessments on your behalf, but we can offer advice as to what needs to be done through our pre-application advice service (opens in new tab). If you do not have the skills to do this yourself, then you will need to engage a consultant to advise you and to undertake the assessment. This risk assessment should be based on our guidance ‘Groundwater risk assessment for your environmental permit’ available from Gov.UK and ‘H1 Risk Assessment Horizontal Guidance Note H1 Annex J – Groundwater

If you’re applying to discharge as part of a groundwater remediation schemes you must send us a site-specific remediation strategy which has been agreed with the Natural Resources Wales Geoscience Team.
This should include:

Conceptual model; Quantitative site-specific risk assessment; Site-specific remedial targets; Details of the contaminant concentrations contained within the proposed discharge Upload your groundwater risk assessment.

- File: 2026 07 17 Trawsfynydd NRW_GW_Risk_Assessement.pdf - Download

Give the discharge point a unique name, for example, ‘Outlet 1’ (you must use this name to identify the discharge point on the plan) and the national grid reference

	Discharge point name	National grid reference	Name of effluent discharged through this discharge point
1	More than 5 points - See Supporting Report	-	-
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-

In what type of area will the effluent is disposed of?

Other (please specify):
Via a soakaway-type arrangement to Made Ground. Please see Section 3.3 of Supporting Report.

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

N/A - Please see Supporting Report

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?

If yes, please describe what the water supplied is used for:
N/A

Is any part of your infiltration system within 10 metres of a watercourse?
No

Site plan

You must provide a site plan for your proposed discharge which is A4 in size or larger, and at 1:1,000 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: Trawsfynydd Substation Site Layout Plan.pdf - Download

How do you want to pay?

If a new contact, please provide details:

Title	-
First name	Ana
Last name	Samina
Address	Morgan Sindall Construction & Infrastructure Ltd, Cooper House, Redgrave Close, Coventry
Postcode	CV2 2UU
Telephone	0330 440 9950
Email address	ana.samina@morgansindall.com

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:	M/4TT007/00048
Amount paid:	£10,097

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 (opens in new tab).
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

Upload written confirmation here

- File: 27.07.26_Devolved_Authority_NGET_(002).docx.pdf - Download

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	John
Last name	Lamb
On behalf of (if applicable)	National Grid Electricity Transmission plc
Date (DD/MM/YYYY)	14/10/2026

Submit your application

Enter the email address you'd like a copy of your application sent to:
anthony.marsh@wsp.com