

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

## About you

Please give details of the individual, or where relevant for groups or organisations of individuals, the main representative.

**Title:** Miss  
**First name:** Elizabeth  
**Last name:** Wilson

Please provide details below.

Are you applying as an individual, an organisation or group of individuals' (for example, a partnership), a company (this includes Limited Liability Partnerships) or a public body?

A registered company or other corporate body

## Registered company or other corporate body

Please provide details below

**Company name** Tarmac Trading Limited  
**Company registration number** 00453791  
**Date of registration (DD/MM/YYYY)** 07/05/1948

Contact name for the company

**Title** Mrs  
**First name** Delia  
**Last name** Boulis  
**Email address** delia.boulis@tarmac.com

## Your address

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

**Address** Portland House Bickenhill Lane  
Solihull, Birmingham  
-  
**Postcode** B37 7BQ  
**Telephone** 01509 622047  
**Email address** delia.boulis@tarmac.com

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.

**Title** Miss  
**First name** Elizabeth  
**Last name** Wilson  
**Address** Stantec UK Ltd  
160-162 New Zealand House  
Shrewsbury  
**Postcode** SY2 6FD  
**Telephone** 01743 276126  
**Email address** elizabeth.wilson@stantec.com

## 1 Pre-application discussions

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

No

## 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.

N/A

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

No

## Where will you be discharging?

Please complete

**Site name** Torcoed Quarry

**Address** Porthyrhyd  
Carmarthan

**Postcode** SA32 8PY

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/>

There is no septic tank / sewage treatment plant as this application is for discharge from a quarry sump to a natural sinkhole. The location of the quarry sump is: SN 49250 13821 and the location of the sink hole is: SN 49600 13860.

## About the effluent

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

Groundwater and rainfall fed quarry sump water

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.

Sump water

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.

\* 01/08/2022

Is the discharge time limited?

No

## Trade – rainfall dependent: could your discharge be made to sewer?

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 sewage treatment facility and the nearest foul sewer and/or private sewer.

Unknown but not near site

## 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)?

691.2

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

8

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

Please see technical note 331201249TN1 for calculations.

## 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
<b>First treatment</b>	29 Settlement
<b>Second treatment</b>	-
<b>Third treatment</b>	-
<b>Fourth treatment</b>	-

## 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

Ambient

## 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](http://gridreferencefinder.com)

SN 49250 13821

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](http://gridreferencefinder.com)

SN 49250 13821

Does the flow monitor have an MCERTS certificate?

Yes

**If yes, please give the certificate number:**  
It will do

## 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.

\* 01/07/2022

Is the discharge time limited?

No

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

## 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)?

691.2

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

8

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

Please see technical note 331201249TN1 Torcoed Quarry discharge application

## Trade – returned abstracted water: How will the effluent be treated?

Do you treat your effluent?

Yes

**If no, please explain why the effluent will not be treated:**

Note for final effluent discharge quality upload below, please see report 331201249 Torcoed Quarry discharge application

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	-

## 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

16

## 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](http://gridreferencefinder.com)

SN 49600 13860

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](http://gridreferencefinder.com)

SN 49600 13860

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

## Where will the effluent discharge to?

Where will the effluent discharge to?

Borehole, well or other deep structure

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 a borehole or well (or other deep structure)

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 lake or pond if you know it

	Discharge point name	National grid reference	Lake or pond name	Name of effluent discharged through this discharge point
1	Quarry Sink	SN 49600 13860	-	sump water
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-

Is the discharge to ground via a

**Other deep structure (please give details (for example, concrete ring structure, shaft, natural swallow hole or soakage pit):**

Natural sink hole

Total depth of the borehole or well

What is/or will be the total depth of the borehole, well or other structure (in metres below ground level)?

Unknown

Is the borehole or well or structure already constructed?

Yes

Is any part of your discharge within 50 metres of another well, spring or borehole?

No

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

No

Does the borehole or well or structure into which you are intending to make your discharge extend into groundwater?

No – never contains water

If your discharge falls into any of the following groups of activities please tick the appropriate box

Reinjection of pumped groundwater from mines and quarries or associated with the construction or maintenance of civil engineering works (includes the treatment and reinjection of contaminated groundwater for the purposes of remediation)

The artificial recharge or augmentation of a body of groundwater for the purposes of groundwater management

## 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: Discharge consent plan.png - [Download](#)

## Application fee

Is your discharge or groundwater activity a standard rate (£912) or reduced rate (£129)?

Standard

If you are reporting more than one activity, please tell us how many are standard and how many are reduced rate

N/A

Tell us your total charges

912

## 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** Sarah  
**Last name** Small  
**Address** Meeting Street , Quorn, Loughborough  
**Postcode** LE12 8EX  
**Telephone** 01509 622042 / 07483 918679  
**Email address** sarah.small@tarmac.com

How do you want to pay for your application fee?

Credit or debit card

## How we collect your personal data

I have read and understood this information

Yes

## Freedom of Information

I have read and understood this information

Yes

## 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: Appendix D Letter of Signing Authority August 2021.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.

<b>Title</b>	Mrs
<b>First name</b>	Delia
<b>Last name</b>	Boulis
<b>On behalf of (if applicable)</b>	Tarmac Trading Limited
<b>Date (DD/MM/YYYY)</b>	02/08/2022

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>	Mrs
<b>First name</b>	Delia
<b>Last name</b>	Boulis
<b>On behalf of (if applicable)</b>	Tarmac Trading Limited
<b>Date (DD/MM/YYYY)</b>	02/08/2022