

**P-WAT-A2**

**The Environmental Authorisations (Scotland) Regulations 2018 (EASR)**

**Water Permit Activity:**

**Discharge from a sewage treatment works with no overflows from more than 10 domestic properties or 50 population equivalent**

Version 1.0

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If you would like this document in an accessible format, such as large print, audio recording or braille, please contact SEPA by emailing equalities@sepa.org.uk.

## How to use this activity form

Use this form to apply for:

* A **new permit** to carry out the discharge activity described below.
* A **variation of an existing permit** that authorises the discharge activity described below.
* A **variation of an existing permit** to add the discharge activity described below.

This form covers the discharge from a sewage treatment works, with no overflows, from:

* more than 10 domestic properties;
* non-domestic properties with a population equivalent of more than 50; or
* a combination of both domestic and non-domestic properties with a total population equivalent of more than 50.

## Before you apply

* Read the guidance for the water activity you are applying for on the relevant activity specific page on our [website](https://www.sepa.org.uk/easr).
* Where you see the term ‘document reference’, enter the document reference(s) for the information you have provided. These must be submitted along with the completed form.
* For applications made with insufficient or inadequate information; we will return these to the applicant with an explanation of what additional information is required and may retain part of the application fee in accordance with our published charging scheme.

## Multiple activities under a single permit

We may authorise multiple activities under a single permit, but only if the activities are connected. Activities may be considered connected if they are:

* located at the same geographical location,
* part of the same project, or
* operationally linked.

If the activities are connected, you may submit a single application for multiple activitiesunder one permit.

If the activities are not connected, you must submit a separate application for each activity.

## How to apply

**Digital application service:**

The quickest and easiest way to [apply is via our digital application service](https://www.sepa.org.uk/easr) on our website.

You will need to upload:

1. Completed activity form(s)
2. Any required supporting information

**Email/Post application:**

If you cannot apply using our digital application service, you can complete and submit an application via email or by post.

* For **a new permit**, your application must include:
1. A completed APP-GEN1 form
2. Completed activity form(s)
3. Any required supporting information
* For **a variation of a permit**, your application must include:
1. A completed APP-GEN1 form
2. Completed variation form(s)
3. Completed activity form(s) if required
4. Any required supporting information

Email and postal addresses for submitting your application are included in the APP-GEN1 form.

You can download [APP-GEN1, activity forms and variation forms](https://www.sepa.org.uk/easr) from our website.

## Section 1 - Location of the activity

### 1.1 Location description

Please provide the following information about the location.

**Table 1: Location description**

| **Question** | **Answer** |
| --- | --- |
| **Location description** (e.g. Green Farm) |  |
| **Address** |  |
| **Postcode** |  |
| **National Grid Reference (NGR)**(At least 2 letters followed by 8 digits, e.g. AB 1234 6789. You can use our [SEPA NGR Tool](https://map.sepa.org.uk/ngrtool/) to find your NGR.) |  |

### 1.2 Sample point location

If the discharge is from a population equivalent of greater than 200, please provide the NGR for the sample point.

You can use our [SEPA NGR Tool](https://map.sepa.org.uk/ngrtool/) to find the NGR. The NGR should be in one of these formats:

* 2 letters followed by 10 digits (e.g. AB 12345 67890)
* 2 letters followed by 8 digits (e.g. AB 1234 6789)

| **Sample point NGR**  |
| --- |
|  |

### 1.3 Location plan

Please provide a location plan showing the areas where the activity will take place.

The location plan must:

1. Clearly show, label and reference the location of the treatment system, any sampling points, any partial soakaway (if applicable) and the discharge location (outfall or soakaway).
2. Be based on an Ordnance Survey (OS) map.
3. Be clear and easy to read on an A4 page, avoiding unnecessary details.
4. Include a defined scale, the date it was created, and a north direction indicator.

| **Document Reference** |
| --- |
|  |

### 1.4 Connection to the public sewer

Only complete this section if the properties are close to the public sewer.

Read our guidance [WAT-G-057 - Permit Activity: Discharge of sewage effluent](http://www.sepa.org.uk/easr) for information on connection to the public sewer.

Please describe why you are not able to connect to the public sewer.

| **Summary** |
| --- |
|  |

Please provide any supporting information to this application. This includes correspondence from Scottish Water detailing sewer capacity, connection or network issues which prohibit connection of your discharge to the public sewer.

| **Document reference(s)** |
| --- |
|  |

## Section 2 – About your proposed activities

### 2.1 Non-technical summary

Please provide a non-technical summary of your application, including a brief overview of the proposed activity.

This summary may be published on our website as part of the public consultation process.

Ensure it is written in simple and plain language so that all members of the public can clearly understand the details of your application.

| **Document reference** |
| --- |
|  |

### 2.2 Population equivalent

Please provide the population equivalent (p.e.) and details on how this has been calculated.

| **Document reference**  |
| --- |
|  |

### 2.3 Type of sewage treatment system

A system must be installed to treat sewage before it discharges to the water environment.

Please select one of the boxes below that describes the type of sewage treatment system.

#### Septic tank only [ ]

#### Secondary treatment system [ ]

**A septic tank or secondary treatment system plant with** **suitably**  [ ]

**designed reed bed and/or wetland**

**A secondary treatment system and a proprietary filtration system** [ ]

**using bio-fibrous media**

**Other types of sewage treatment system** (e.g. ultraviolet (UV) treatment) [ ]

* If you selected ‘A septic tank or secondary treatment system plant with suitably designed reed bed and/or wetland’, provide your design and sizing calculations.

Read our guidance [WAT-G-057 - Permit Activity: Discharge of sewage effluent](http://www.sepa.org.uk/easr) for information on reed bed or wetland design and construction.

| **Document reference**  |
| --- |
|  |

* If you selected ‘Other types of sewage treatment system’, please provide details on the type of sewage treatment system.

| **Document reference**  |
| --- |
|  |

### 2.4 Mechanical treatment systems

If you are using a mechanical treatment system, please provide details of how any mechanical failures will be detected. For example, this might include the use of telemetry systems or alarms.

| **Document reference**  |
| --- |
|  |

### 2.5 Discharge standards

If your sewage treatment system is not a septic tank, please complete Table 2 with the expected discharge standards the treatment system is designed to meet, in milligrams per litre (mg/l).

* If your population equivalent is less than or equal to 200 p.e., provide the mean discharge standards.
* If the population equivalent is greater than 200 p.e., provide the 95th percentile discharge standards.

Please clearly indicate in the table whether the values provided are mean or 95th percentile.

If you need to report additional parameters (e.g. E. coli), please add extra rows to Table 2.

**Table 2: Discharge standards**

| **Parameter** | **Value (mg/l)** | **Mean or 95th percentile** |
| --- | --- | --- |
| **Biochemical Oxygen Demand (BOD)** (mg/l) |  |  |
| **Ammoniacal Nitrogen (As N)** (mg/l) |  |  |
| **Total phosphorous** (if applicable) (mg/l) |  |  |
| **Reactive phosphorous** (if applicable) (mg/l) |  |  |

### 2.6 Discharge from the sewage treatment system

Please select one of the boxes below to confirm where the sewage effluent will discharge to and then complete the corresponding section.

#### Discharge to land via full soakaway [ ]  (complete Section 3)

#### Discharge to watercourse or freshwater loch [ ]  (including via a partial soakaway, if required)

#### (complete Section 4)

#### Discharge to the sea or an estuary [ ]  (complete Section 5)

## Section 3 - Discharge of sewage effluent to land via full soakaway

### 3.1 Hydrogeological information

Discharges to land via a full soakaway from systems serving more than 50 p.e. are generally not encouraged due to the risk that they pose to the water environment.

If you plan to use a full soakaway, you must follow the guidance in [WAT-G-068 - Permit Activity: Hydrogeological guidance for discharges of effluent to a soakaway](http://www.sepa.org.uk/easr) and include the required information with your application.

| **Document reference**  |
| --- |
|  |

### 3.2 Soakaway location

Please provide the National Grid Reference (NGR) of the midpoint of the soakaway. You can use our [SEPA NGR Tool](https://map.sepa.org.uk/ngrtool/) to find the NGR.

The NGR should be in one of these formats:

* 2 letters followed by 10 digits (e.g. AB 12345 67890)
* 2 letters followed by 8 digits (e.g. AB 1234 6789)

|  |
| --- |
| **NGR of the midpoint of the soakaway** (e.g. AB 12345 67890, AB 1234 6789) |
|  |

## Section 4 - Discharge of sewage effluent to a watercourse or freshwater loch or pond

### 4.1 Justification for discharge to a freshwater loch or pond

You should not discharge into a freshwater loch or pond.

Discharging sewage effluent into a freshwater loch or pond should only be considered if no other discharge options are practical.

If you plan to discharge into a freshwater loch or pond, you must explain why other discharge options are not possible and provide your justification for this choice.

| **Document reference** |
| --- |
|  |

### 4.2 Discharge location

Please provide the National Grid Reference (NGR) for the location where the sewage treatment system discharges effluent into a watercourse or freshwater loch or pond. This may be via a partial soakaway.

You can use our [SEPA NGR Tool](https://map.sepa.org.uk/ngrtool/) to find the NGR. The NGR should be in one of these formats:

* 2 letters followed by 10 digits (e.g. AB 12345 67890)
* 2 letters followed by 8 digits (e.g. AB 1234 6789)

|  |
| --- |
| **NGR of the discharge location** (e.g. AB 12345 67890, AB 1234 6789) |
|  |

### 4.3 Partial soakaway

#### Will the effluent discharge to a watercourse or freshwater loch or pond via a partial soakaway?

#### Yes [ ]

#### No [ ]

#### I ju

* If ‘Yes’, provide the soakaway area. The minimum area of a partial soakaway will depend upon the type and number of properties and the type of sewage treatment system.

| **Partial soakaway area** (m2) |
| --- |
|  |

###

## Section 5 - Discharge of sewage effluent to the sea or an estuary

### 5.1 Discharge location

Please provide the National Grid Reference (NGR) for the location where the outfall pipe discharges effluent into the sea or an estuary.

You can use our [SEPA NGR Tool](https://map.sepa.org.uk/ngrtool/) to find the NGR. The NGR should be in one of these formats:

* 2 letters followed by 10 digits (e.g. AB 12345 67890)
* 2 letters followed by 8 digits (e.g. AB 1234 6789)

|  |
| --- |
| **NGR of the discharge location** (e.g. AB 12345 67890, AB 1234 6789) |
|  |

### 5.2 Mean low water springs

Complete this section only if your discharge location is above mean low water springs (MLWS).

Please explain why you cannot discharge below MLWS.

| **Summary** |
| --- |
|  |

Provide any relevant supporting documents, such as a map, and include a document reference.

| **Document reference**  |
| --- |
|  |