

 **P-WAT-I1**

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

Document reference number to be included (this will be held in a document control catalogue)

**Water Permit Activity:**

**The discharge of all other effluents to the water environment**

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** for one of the types of discharges listed below.
* A **variation of an existing permit** that authorises one of the types of discharges listed below.
* The **variation of** **an existing permit** to add one of the types of discharges listed below.

This form covers the following **types of discharges**:

* Discharge of effluents (e.g. from distilleries, mines, food and drink manufacturing, process water from quarries);
* Discharge of backwash or chlorinated water from water treatment works;
* Discharge of cooling water;
* Discharge from hot tubs or swimming pools, that do not meet the registration activity threshold or cannot comply with GBR or registration standard conditions;
* Discharge from activities listed in schedule 26 (other emissions activities) of EASR;
* Discharge from waste management activities where the outfall is outwith the authorised place boundary;
* Discharge of any other effluent not described on one of our EASR activity web pages.

**Do not** use this form to apply for the:

* Discharges of only sewage or sewage effluents;
* Discharges of water run-off;
* Discharges from activities listed in schedule 20 (emissions activities) of EASR;
* Discharges from waste management activities where the outfall is within the authorised place boundary.

If you are applying to discharge effluent at more than one location, you must complete and submit a separate activity form for each discharge.

Exception: if you plan to discharge more than 10 cubic metres (m3) per day of swimming pool or hot tub effluent from multiple locations on the same site, you can use this form to apply for all of these discharges.

## 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. Alba Distillery, White Papermill, Green Caravan Site) |  |
| **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 Discharge point location

Please provide the following NGR:

* For a discharge to a soakaway, provide the NGR of the midpoint of the soakaway.
* For a discharge to a watercourse, loch, the sea, or an estuary, provide the NGR of the end of the outfall pipe.
* For a discharge of swimming pool or hot tub effluent from multiple locations, provide the NGR of the midpoint of the site.

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** (e.g. AB 12345 67890, AB 1234 6789) |
|  |

### 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 any treatment system, any sampling points, any partial soakaway (if applicable), and the discharge locations (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 you are near the 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 process or operation and the type of effluent that will be discharged.

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 Discharge of effluent

Please select one of the boxes below to confirm where the effluent will discharge to.

#### Discharge to land via full soakaway [ ]

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

#### Discharge to the sea or an estuary [ ]  (including via a partial soakaway)

#### Discharge onto the surface of the land [ ]

Please provide details on why the effluent will discharge to the selected option above and what alternatives have been considered.

| **Justification for discharge option and alternatives considered** |
| --- |
|  |

### **2.3 Partial soakaway**

#### Will the effluent discharge via a partial soakaway?

#### Yes [ ]

#### No [ ]

* If ‘Yes’, provide the soakaway area. The area of a partial soakaway required will depend upon the risk to the environment.

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

### 2.4 Level of assessment

Please read SEPA Guidance [WAT-G-069 - Permit Activity: The discharge of effluent to the water environment](http://www.sepa.org.uk/easr) and contact waterpermitting@sepa.org.uk to determine the level of assessment required, before you complete and submit this form.

Please select one box below to indicate the level of assessment required.

#### Less detailed assessment [ ]  (Complete Section 3)

#### Detailed assessment [ ]  (Complete Section 4)

####

## Section 3 - Less detailed assessment

### 3.1 Process or operation generating the effluent

Please provide details of the process or operation that will generate the effluent, including information on any chemicals that will be stored or used.

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

### 3.2 About the effluent

Please provide the following details about the effluent:

* Substances likely to be present in the effluent (e.g. silt, animal blood, animal faeces);
* Any chemicals added (e.g. detergents or disinfectants) and their concentration in the effluent;
* pH level;
* Temperature of the effluent in degrees Celsius (°C).

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

### 3.3 Daily volume of effluent

Please provide the maximum daily volume of effluent to be discharged (in cubic metres/day).

| **Maximum daily volume of effluent to be discharged** (m3/day) |
| --- |
|  |

### 3.4 Rate of flow

Please provide the maximum rate of flow of the effluent (in litres/second).

| **Maximum rate of flow** (l/s) |
| --- |
|  |

### 3.5 Frequency

Please summarise the daily, weekly and/or seasonal patterns of the discharge.

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

### 3.6 Distance from springs, wells or boreholes

If the discharge is to a full soakaway, please provide the following information.

#### Is the soakaway more than 50 metres from any spring, well or borehole used as a private water supply?

#### Yes [ ]

#### No [ ]

#### I ju

* If ‘Yes’, proceed to Section 3.8.
* If ‘No’, explore relocation to more than 50m. If this is not possible, proceed to Section 3.7.

### 3.7 Details on springs, wells or boreholes used for private water supply

If relocation is not possible, please provide the following information:

* The depth of any well or borehole in metres:

| **Depth of any well or borehole** (m) |
| --- |
|  |

* A map showing the location of the soakaway and the location and type of water supply. Use these symbols to mark the water supply:
* Spring: “S”
* Well: “W”
* Borehole: “B”
* If a well is pumped, mark it with “P”

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

### 3.8 Discharges to vegetated land or soakaway

To prevent pollution of groundwater, best practice is to ensure that the water table is at least 1 metre below the base of any soakaway at all times of the year. The water table must be below the base of your soakaway at all times of the year.

If you are disposing to land, best practice is to ensure that the water table is at least 1 metre depth below the surface of the land at all times of year. The water table must be below the surface of the land at all times of the year.

Please tick the box below to confirm:

#### There will be no discharge directly into groundwater. [ ]

The ground must not be composed of sands or gravels.

### 3.9 Protection of the water environment

Please explain what measures you will take to protect the water environment. This could include, for example, a method statement or information about how you will treat effluent before it is discharged.

For examples of best practice, read our guidance [WAT-G-069 - Permit Activity: The discharge of effluent to the water environment](http://www.sepa.org.uk/easr).

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

## Section 4 - Detailed assessment

### 4.1 Process or operation generating the effluent

Please provide details of the process or operation that will generate the effluent, including information on any chemicals that will be stored or used.

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

### 4.2 About the effluent

Please provide the following information about the effluent:

* Substances likely to be present in the effluent and how you have determined this;
* For each substance, provide all the raw data, including the 95th percentile, minimum, mean and maximum concentrations;
* If the effluent contains sewage, provide the population equivalent;
* Material Safety Data Sheet (MSDS) for each substance. You must indicate if your substance is, or is likely to be, persistent, bio-accumulative and toxic; and
* Temperature of the effluent in degrees Celsius (°C) and how you have determined this.

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

### 4.3 Daily volume of effluent

Please provide the mean and maximum daily volume of treated effluent discharged (in cubic metres/day).

**Table 2: Mean and maximum daily volume of treated effluent**

| **Question** | **Answer** |
| --- | --- |
| **Mean daily volume** (m3/day)  |  |
| **Maximum daily volume** (m3/day) |  |

### 4.4 Rate of flow

Please provide the maximum rate of flow of the effluent (in litres/second).

| **Maximum rate of flow** (l/s)  |
| --- |
|  |

### 4.5 Frequency

Please summarise the daily, weekly and/or seasonal patterns of the discharge.

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

### 4.6 Sample point location

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)

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

### 4.7 Effluent treatment details

Please provide details on how the effluent will be treated before it is discharged. Include supporting documents that explain the design criteria and provide a description of the treatment process.

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

### 4.8 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**  |
| --- |
|  |

### 4.9 Discharge to soakaway

Discharges to land via a full soakaway 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**  |
| --- |
|  |

### 4.10 Discharge to a watercourse, freshwater loch, sea or an estuary

If the discharge is to a watercourse, freshwater loch, sea or an estuary, please provide the following information for each substance in the effluent:

* The Environmental Quality Standard (EQS), where required.
* Confirmation of whether the concentration of the substance in the discharge is above or below the EQS.

If there is no EQS for a substance, you must provide a Predicted No Effect Concentration (PNEC). You must provide information on how you have determined this value.

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

### 4.11 Discharge to sea or an estuary

If the discharge is to sea or an estuary, please provide a modelling report. You must follow the guidance in [WAT-G-066 - Permit Activity: Assessing the impact of a discharge on coastal and transitional waters](http://www.sepa.org.uk/easr).

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