

Application for an environmental permit Form RSR-B3 – New bespoke radioactive substances activity permit (nuclear site – unsealed sources and radioactive waste)



Please read through this part of the form and the form RSR-B3 guidance notes before you fill it in.

It will take about 3 hours to fill in this form.

If you are applying for a new bespoke permit for a radioactive substances activity involving unsealed sources and/or radioactive waste on a nuclear site, fill in this part of the form, together with forms RSR-A and RSR-F. If you want to make on-site disposals of solid waste to land, also fill in form RSR-B5.

For security reasons, do not refer to sealed sources on this part of the form. There is a separate form RSR-B2 for radioactive substances activities involving sealed sources.

If your application relates to a nuclear power station that has been through the generic design assessment (GDA) process, you must clearly identify:

- any information that is different from that provided for GDA;
- where you have addressed any GDA issues and assessment findings related to the GDA statement of design acceptability.

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1 Other applications and assessments

1a Have you recently made, or do you intend to make, an application for an environmental permit to operate a regulated facility, other than a radioactive substances activity, on the premises?

Yes

No

1b Has the radioactive substances activity you are applying for been subject to a Generic Design Assessment?

Yes

No

2 About the activities

2a What activities are you applying for?

Tick the relevant boxes in Table 1 to show which radioactive substances activities you are applying for.

Table 1 – Radioactive substances activities

Schedule 23 Part 2 paragraph reference	Description	
11(2)(a)	Keep or use radioactive material on premises used for the purposes of an undertaking	
11(2)(b)	Dispose of radioactive waste on or from premises used for the purposes of an undertaking	
11(4)(a)	Receive radioactive waste for the purposes of disposing of it	
11(2)(c)	Accumulate radioactive waste on the premises (non-nuclear sites only)	

2b Provide a technical description of your activities

Document reference _____

2c Provide a description of your management arrangements

Document reference _____

3 Operating techniques

3a Describe how you manage the production, discharge and disposal of radioactive waste to protect the environment and to optimise the protection of people.

Document reference _____

4 Disposal of radioactive waste

4a Provide quantitative estimates for normal operation of

- discharges of gaseous and aqueous radioactive wastes
- arisings of combustible waste and disposals by on-site or off-site incineration
- arisings of other radioactive wastes, by category and disposal route (if any)

Document reference _____

4b Provide your proposed limits for

- gaseous discharges
- aqueous discharges
- disposal of combustible waste by on-site incineration

Document reference _____

5 Monitoring

5a Provide a description of the sampling arrangements, techniques and systems for measurement and assessment of discharges and disposals of radioactive waste

Document reference _____

5b Provide a description of your environmental monitoring programme

Document reference _____

6 Radiological assessment

6a Provide a prospective dose assessment at the proposed permitted limits for discharges and for any on-site disposal causing releases to air and water/sewer (such as incineration but not on-site disposal of solid waste to land because this is addressed using form RSR-B5)

Document reference _____

6b Provide a prospective dose assessment for the most exposed members of the public in Member States of the European Union and/or Norway

Only answer this question if your activity is described in paragraph 2 of the Transboundary Radioactive Contamination (England) Direction 2020 https://www.legislation.gov.uk/ukxi/2016/1154/pdfs/ukxi0d_20161154_en_001.pdf.

Document reference _____

6c Provide an assessment of the impact of the radioactive discharges and on-site disposals on non-human species

Document reference _____

6d Provide an assessment of the impact on people and non-human species of the environmental studies

Only answer this question if you are applying for an activity described in Schedule 23, Part 2, paragraph 11(5)(b).

Document reference _____

7 Receipt of radioactive waste

7a Provide details of the origin, nature and quantity of each waste stream to be accepted onto the premises, and how you will manage and dispose of it (tell us if you may receive waste as a result of your participation in the National Arrangements for Incidents involving Radioactivity or in a Radsafe incident response – no further details are required for such waste)

Document reference _____

8 Radioactive material

Only answer this question if you are a tenant applying for an activity described in Schedule 23, Part 2, paragraph 11(2)(a) involving unsealed sources.

Fill in Table 2 with details of the radioactive material that you will keep or use on the premises.

Table 2 – radioactive material on the premises

Radionuclide (you may use the groups of radionuclides specified in the guidance document for this part of the form)	Maximum activity at any one time (in becquerels)

9 Mobile radioactive apparatus for environmental studies

Only answer this question if you are applying for an activity described in Schedule 23, Part 2, paragraph 11(5)(b). Fill in Table 3 with details of the radioactive material that you will use for environmental studies.

Table 3 – radioactive material for environmental studies

Radionuclide	Maximum activity at any one time (in becquerels)	Maximum daily release (in becquerels)

Note 1

This is the total radioactivity of the specified radionuclide to be used for the environmental study.

If the environmental study is to take place away from the nuclear site, you should also fill in section 9 of Form RSR-B4 and include it with your application. Form RSR-B4 is available here <https://www.gov.uk/government/publications/part-rsr-b4-apply-for-an-open-sources-and-waste-from-open-sources-rsr-permit>

Now fill in form RSR-F.

10 How to contact us

Please send all parts of your filled-in application form and supporting documents to our Radioactive Substances Regulation Permit Support Team as described in form RSR-F.

Support:

If you need help filling in this form, please contact the person who sent it to you or contact us using the methods described in form RSR-F, which is available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/870564/Form-EP-RSR-Applying-for-env-permit-Part-RSR-F-Charges-declarations.pdf

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form? _____

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

For Environment Agency use only

Date received (DD/MM/YYYY) _____

Our reference number _____

Payment recieved?

No

Yes

Amount received _____