

Form RSA 2m (Mobile closed sources) Application for registration of mobile radioactive apparatus

Radioactive substances RSA 2m

Application for registration of mobile radioactive apparatus (mobile closed sources) for use in Northern Ireland

Radioactive Substances Act 1993, Section 10

For NIEA use only
 New application number

 Date received – NIEA date stamp

Question 2.3 (page 2)
 Existing closed source registration for premises?
 No
 Yes existing number

Question 4.3 (page 3)
 New operator account?
 No
 Yes Invoice code

 Date

Question 8.1 (page 13)
 Confidential?
 No Sign
 Yes

Question 8.2 (page 13)
 National Security?
 No Sign
 Yes

Question 9.1 (page 13)
 Fee
 Date Received

 Amount Sign

For NIEA use only
10 Application for registration' (page 13)
 Application signed?
 No Sign
 Yes

When to use this form
 ? The form should only be used for mobile radioactive apparatus to be used in Northern Ireland.
If you need more space than the form allows, please continue on separate sheets. Please write the number of the question you are answering on the top of each continuation sheet.

1 Company or organisation details

1.1 Please give us the name of the company or organisation which will keep or use the mobile radioactive apparatus.

Your registered office or business address
If no registered office please give principal place of business.

 Postcode

Your Company's House registration number *if you have one*

4 Contact details

We need the names and details of members of your organisation to help us deal with your application and registration quickly and efficiently.

Application contact

4.1 Who can we contact for questions on your application?

Name

Position

Address

<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	Postcode

Contact numbers

Phone

Fax

Email

Operational contact

4.2 Who will be responsible for day to day supervision of the keeping and use of the mobile radioactive apparatus? If different people are responsible for some sources please give details of each person.

Name

Position

Address

<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	Postcode

Contact numbers

Phone

Fax

Email

Payments and invoices

4.3 Who can we contact about payment of fees and charges?

Name

Position

Address

<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	Postcode

Contact numbers

Phone

Fax

Email

5 Use of mobile radioactive apparatus

Practice

5.1 Please indicate the practice or work activity for which sources are to be used.

Please tick each relevant box.

- 1.1 Production of radioisotopes – Manufacture of radioisotopes using nuclear reactors and accelerators
- 1.2 Production of radioactive products – Manufacture of radioactive sources, substances and radiopharmaceuticals
- 2.1 Non-destructive testing – Use of radioactive sources and substances for radiography
- 3.1 Radiation processing of food – Use of gamma radiation sources to reduce bacterial levels, sterilise, disinfect or modify foods
- 3.2 Radiation processing of products – Use of gamma radiation sources to reduce bacterial levels, sterilise, disinfect or modify materials
- 4.1 Substance measurement and process control – Use of sealed sources for thickness gauging, density gauging, mass gauging, level gauging, flow measurement, borehole and well logging, control of pipeline crawlers
- 4.2 Substance measurement and process control – Use of neutron sources for moisture gauging

5 Use of mobile radioactive apparatus *continued*

- 5.1 Detection and analysis – Use of sealed sources for analysis
- 5.2 Detection and analysis – Use of beta sources for gas chromatography detectors
- 5.3 Detection and analysis – Use of radioactive sources for leak detection, chemical and explosives detection
- 5.4 Detection and analysis – Use of neutron sources for activation analysis
- 6.1 Elimination of static electricity – Use of radioactive sources to eliminate static electricity
- 7.1 Illumination – Use and repair of gaseous tritium light sources for illumination, in safety signs and equipment, sighting and location markers, watches and instruments
- 7.2 Illumination – Use of radioluminous paint (tritium and promethium-147) for the luminising of timepieces and the repair of radioluminescent timepieces
- 8.1 Electronic apparatus – Use of electronic apparatus containing
- 9.1 Safety devices – Use of ionising radiation in smoke and fire detectors and other safety instruments
- 10.1 Security screening – Use of gamma rays or neutron sources to examine packages, baggage, containers or vehicles
- 10.2 Security screening – Use of gamma rays to detect people seeking illegal entry to the UK in vehicles or freight
- 10.3 Security screening – Use of back-scatter imaging for the detection of concealed items on the person
- 10.4 Security screening – Use of gamma rays or neutron sources to detect concealed items in buildings
- 11.1 Radioactive tracers – Use of radioactive tracers in industrial process controls
- 11.2 Radioactive tracers – Use of radioactive tracers for medical or biological techniques
- 11.3 Radioactive tracers – Use of radioactive tracers for environmental tests
- 12.1 Diagnosis – medical – Use of ionising radiation in radiography, fluoroscopy, computed tomography, in-vivo nuclear medicine and in-vitro nuclear medicine
- 13.1 Treatment – medical – Use of ionising radiation in interventional radiology; in-vivo nuclear medicine; teletherapy; brachytherapy; radiography (for planning purposes); fluoroscopy (for planning purposes); computed tomography (for planning purposes)
- 14.1 Occupational health screening – Use of ionising radiation in radiography and in-vitro nuclear medicine
- 15.1 Health screening – Use of ionising radiation in radiography and in-vitro nuclear medicine
- 16.1 Medical and biomedical research – Use of ionising radiation in radiography; fluoroscopy; interventional radiography; computed tomography; in-vivo nuclear medicine; in-vitro nuclear medicine; teletherapy; brachytherapy and neutron activation analysis.
- 17.1 Medico-legal procedures – Use of ionising radiation in radiography; fluoroscopy; interventional radiography; computed tomography and in-vivo nuclear medicine
- 18.1 Diagnosis and therapy – veterinary – Use of ionising radiation in radiography, fluoroscopy, computed tomography, in-vivo nuclear medicine, in-vitro nuclear medicine, teletherapy and brachytherapy
- 19.1 Teaching, including further and higher education and training – Use of radioactive sources and substances
- 20.1 Research and development – Operation of nuclear fission or fusion reactors for R & D purposes
- 21.1 Ionising radiation metrology – Use of all types of radiation sources to support National Measurement System and use of calibration sources in the testing of equipment
- 22.2 Storage in transit of radioactive materials
- The numbers between 23 and 49 have been left for future use*
- 50.1 Use of NORM – as a chemical reagent
- 50.2 Use of NORM – as a balance weight
- 50.3 Use of NORM – as radiation shielding
- 50.4 Use of NORM – Adventitious arising from gas and oil production
- 50.5 Other uses of NORM
- NORM means naturally occurring radioactive material*
- 51.1 Use by MOD or the armed services
- 51.2 Use for military purposes by a contractor to the MOD

5 Use of mobile radioactive apparatus *continued*

5.2 For which associated activity are mobile sources to be kept or used?

This list is intended to give the Northern Ireland Environment Agency more detailed information about the proposed use of sealed sources.

Please tick each relevant box

- Manufacture
- Repair
- Maintenance
- Assembly
- Handling
- Holding
- Testing
- Use
- Storage in transit (for keeping only, not using)
- Distribution, supply or service of mobile apparatus
- Decommissioning and waste disposal
- Other research and development
- Other *please give details in up to 20 words*

5.3 Please describe how and why you intend to use the mobile radioactive apparatus (mobile closed sources).

We need to know

- ✗ if you can justify why you need the sources
- ✗ how you intend to use the mobile sources
- ✗ why you cannot use sources of lower activity

5.4 Do you intend to keep the mobile radioactive apparatus at premises other than the main premises for periods of more than 3 months ?

No

Yes *please give details if you have them*

5 Use of mobile radioactive apparatus *continued*

5.6 Where will you store the mobile closed sources when they are not in use?

Give general details of the building, room, security measures, fire alarm systems and proximity of inflammable materials etc.

5.7 What storage and security measures will be used when the mobile closed sources are either in use or stored temporarily away from the main premises?

Distribution of sources from the premises

5.8 Do you intend to lend or let sources on hire?

You should note that any hirer or recipient of the mobile sources will normally need to be registered.

No

Yes

please give details

Registration number of hirer *if known*

5.9 Do you intend to sell, distribute (other than by letting or lending on hire), or transfer radioactive closed sources from the premises?

No

Yes

please give details

Disposal of mobile closed sources

5.10 How do you intend to dispose of mobile closed sources when they are no longer needed?

Please tell us if you have any agreements with suppliers to take sources back, or if you have arranged for them to be received elsewhere.

6 Security of Sources

The Northern Ireland Environment Agency now has regulatory powers over protective security of certain sealed sources. Consideration of security is required for high-active sources and where the activity level of sources, in the opinion of the Northern Ireland Environment Agency, constitutes a similar level of potential hazard, to that arising from high-activity sources. It is our opinion that any source, or aggregation of sources in a single premises, which falls in any of source categories 1 to 4 in the scheme set out in the NSAC Requirements constitutes a similar level of potential hazard to a HASS. All users, applicants and other interested parties who need to see the NSAC document should ask their Police Force Counter Terrorism Security Adviser for a copy.

Where sources are not considered to constitute a similar level of potential hazard to that from high-activity sources, the NIEA will be requiring users to take simple precautions to protect radioactive sources.

6.1 Please confirm that you hold a copy of NSAC Document "Security Requirements for Sites and Sectors working with Radioactive Substances", October 2005 and that you understand its requirements

This is available from your local Police Counter Terrorism Security Adviser

No

Yes

6.2 Please provide the following details of the location and maximum holding of radioactivity of mobile sources on the main premises

If your main premises is located on a nuclear licensed site, you do not need to complete this Table

Building or Facility name or number on the main premises	Radionuclide(s) and Practice(s) from Table 1 of NSAC document <i>see note</i>	Maximum total activity of each radionuclide GBq	Security Category (1-5) <i>see note</i>	Security Group (A – D) <i>see note</i>

Note – Security Requirements for Radioactive Sources (October 2005), NSAC

The NSAC Requirements describes how to calculate the category and relevant security group. You should do this on the basis of aggregating all the sealed sources that may be held in a single building on the main premises at any one time.

6 Security of Sources *continued*

- Site procedures and security plan to:
 - Prevent unauthorised access to or loss or theft of the sources
 - Detect unauthorised access to or loss or theft of the sources
 - Include options to upgrade the site security plan in response to increased threat
- Information security plan covering:
 - Unauthorised access to information on the sources
 - Unauthorised access to information on the security measures taken
- Personnel checks
- Detection:
 - Patrols
 - Alarms
 - CCTV
- Response to detection:
 - Local
 - Police
- Documentary evidence of measures taken
- Other measures

The NASC Requirements specify how to determine which of these security features are desirable at premises in Security Groups A, B or C.

You should not include details of your security measures with your application.

7 High-Activity Sealed Sources *continued*

7.3 Management of HASS – Please confirm you have a management system, organisational structure and resources adequate to achieve compliance with the limitations and conditions of any registration issued by the NIEA, resulting from this application.

No

Yes

See the NIEA Guidance for details

7.4 Please confirm that the management system includes:

- Specification of responsibilities
- Specification of competencies
- Provision of information and training
- Operating procedures
- Maintenance of sources and associated equipment, including leakage tests
- Emergency procedures

If unable to confirm any of these please give details

7.5 Please confirm you have met the requirements of the Defra guidance on Financial Provision for each high-activity source.

Before you bring any HASS onto the premises (except an existing HASS prior to 1 January 2008) you need to have suitable arrangements in place for each source to cover Financial Provision and safe management of sources as specified in 7.5 to 7.7.

No

Yes

7.6 Which of the possible mechanisms for financial provision are you using?

You will need to include with the application, sufficient documentation to enable the NIEA to assess whether you are satisfying the Defra guidance.

7.7 Please specify which of the following arrangements you have in place for the safe management of high-activity sources, when you no longer have any use for them. Do you intend to send them to:

- a manufacturer
- a supplier
- another registered or authorised user
- a nuclear site licensee?

If none of these, please describe how you intend to manage high-activity sources you no longer have any use for.

8 Data protection notice

The Northern Ireland Environment Agency is responsible for regulating environmental protection. It has a duty to discharge its functions to protect and enhance the environment and to promote conservation.

The information provided will be processed by the Northern Ireland Environment Agency to deal with your application, to monitor compliance with the licence/permit/registration conditions, to process renewals and for maintaining the relevant public register(s).

We may also process and/or disclose it in connection with the following:

- ? offering/providing you with our literature/services relating to environmental matters
- ? consulting with the public, public bodies and other organisations (eg Health and Safety Executive, local authorities, emergency services on environmental issues)
- ? carrying out statistical analysis, research and development on environmental issues
- ? providing public register information to enquirers
- ? investigating possible breaches of environmental law and taking any resulting action
- ? preventing breaches of environmental law
- ? assessing customer service satisfaction and improving our service
- ? reporting to the European Commission on the experience gained in implementing Council Directive 2003/122/Euratom
- ? exchanging information and co-operation with European Union Member States or relevant international organisations.

We may pass it on to our agents/representatives to do these things on our behalf.

You should ensure that any persons named on this form are informed of the contents of this data protection notice.

You should be aware that even where information has been excluded from one of the public registers held by NIEA, it does not necessarily follow that NIEA will not release this information should a request be made for it. Any information the NIEA holds may have to be released as a result of the obligations imposed on it under the Freedom of Information Act 2000 and the associated Environmental Information Regulations 2005.

These pieces of legislation place the NIEA under a general obligation to make the information it holds available to the public, should a request be made for it. Although there are a number of exemptions/exceptions to this general principle allowing the Agency to withhold information, these pieces of legislation impose a regime which is heavily biased towards the release of information. The exemptions, on the whole, can only be relied on to withhold information where in all the circumstances it is in the public interest to rely on that exemption and withhold that information. The majority of the information submitted as part of an RSA 93 application will be environmental information and any release would fall to be dealt with under the Environmental Information Regulations. These regulations are particularly stringent, and the circumstances in which environmental information can be withheld from the public are very limited. The NIEA has been directed by Government under RSA 93 to withhold certain information on sealed sources from public access.

The NIEA may be able to withhold environmental information which is commercially confidential in nature, but only where the public interest rest favours withholding the information. Because of the application of the public interest test, the NIEA can never guarantee that it will always withhold information of a commercially confidential nature.

8 Data protection notice *continued*

Commercial in confidence

8.1 Absence of relevant process and trade secrets

I accept that the information contained in the application form will form part of the publicly available information held by the NIEA and relevant public registers.

Signature

Name

Authorised on behalf of

Date

National security

8.2 Is there any information in the application which you believe should be restricted on the grounds of national security?

No

Yes

Please enclose a copy of any application for a Direction which you have made to the Secretary of State.

9 Payment for your application

9.1 Amount enclosed

Please make cheques payable to "Department of the Environment" and endorsed "A/C Payee only". Not negotiable. We cannot accept payment by bank giro or credit card.

You can find details of how much to pay in the fees and charges on the web <http://www.ni-environment.gov.uk>

£

10. Application for registration

I declare that the information given in this application is correct, to the best of my knowledge and belief.

Signature

Name

Position

Authorised on behalf of

Date