



Application for authorisation to use radiation sources (class II or III)



The undersigned hereby applies for authorisation to hold and operate ionising radiation emitting equipment falling under the authorisation regime defined by the law of 28 May 2019 on radiation protection and the Grand Ducal regulation of 1 August 2019 on radiation protection.

1. Input

Fields marked with an * are compulsory

General information on the applicant

Surname and first name(s) of the applicant*:

Capacity*:

Name of the establishment*:

Business name*:

National identification number*:

Administrative head office*:

Place of operation (if different):

Purpose of the application and equipment

Purpose of the application*:

(purpose for which radiation is used and practices implemented)

please attach: an inventory sheet listing radioactive source and radiation emitting equipment (Annex I) must be completed for each operating site

- **Annex I A** must be completed for each radioactive source subject to authorisation. Furthermore, for each source, the following must be attached:
 - the certificates of the radioactive sources
 - a written declaration by the supplier of the radioactive source or any other specialised company which commits to taking back the source when it is no longer in use ("reacceptance certificate")
- **Annex I B** must be completed for each radiation emitting equipment that is subject to authorisation.

Occupational exposure and exposure of the public

please attach: a report describing:

- the prior analysis of the risk detailing:
 - the occupational exposure and
 - the exposure of the publicas foreseen under normal operating conditions as well as the applicable dose constraints.



- The anticipated number of persons liable to be exposed to radiation from the source in the context of their professional duties
- the radiation protection qualifications of the staff in charge of the production, distribution, use, maintenance or monitoring of the substances and the devices capable of producing ionising radiation
- the protective or safety measures recommended both with regard to the devices, the equipment, the installations and the substances, as well as with regard to the premises in which they are located; the disposal of the radioactive sources when they are taken out of service or have become unusable
- the assessment of a radiation protection expert, or of the person in charge of radiation protection, if that person satisfies the conditions provided for in Article 21 of the law enabling them to provide the establishment with advice (class II establishments only)

Radiation protection officer

Surname and first name*:	<input type="text"/>
Business address*:	<input type="text"/>
Business phone number*:	<input type="text"/>
Business email address*:	<input type="text"/>

Substitute representatives (if applicable):

Surname and first name:	<input type="text"/>
Business address:	<input type="text"/>
Business phone number:	<input type="text"/>
Business email address:	<input type="text"/>

please attach:

- a certificate attesting to the radiation protection qualification of the person responsible for radiation protection

Insurance

please attach:

- a certificate of liability insurance **covering the use of ionising radiation sources** and in case of high-activity sources, the risks associated with the safe management and recycling of such sources in the event of their withdrawal from service, including in the event of insolvency or cessation of establishment.

Map of the installations

please attach:

- map of the places and installations with namely the premises where the sources of ionising radiation are used. This map must also show all premises situated within a radius of less than 20 metres from the location of the radioactive sources, as well as the purpose of such premises
- The number/identifier of the land registry parcel as well as the commune and cadastral section on which the equipment is being used.



Waste

In principle, the possession or use of radioactive substances must not result in the generation of radioactive waste. However, if radioactive waste is expected, please contact the Radiation Protection Division before submitting an application.

Internal response plan (class II establishments only)

please attach:

- Excerpts from the internal response plan for dealing with different types of radiological emergencies

Risk assessment (class II, high-activity sources only)

- For class II high-activity sealed sources, the risk assessment report is mandatory.

please attach:

- a risk assessment report describing:
 - the identification of mechanisms that could lead to potential exposure or accidental and unintentional exposure;
 - insofar possible, an assessment of the likelihood and degree of potential exposures;
 - an assessment of the quality and scope of physical protection and radiation protection measures.

Fee

The undersigned has taken note that by the deadline of 1 June of the year, any class II establishment is required to pay a fee of EUR 500 and any class III establishment is required to pay a fee of EUR 200.

Proof of payment must be sent to the National Health Directorate (Direction de la santé).

2. Signature

By signing the document, the applicant certifies that the information provided is correct

Done at*:

Date* :

Head of the establishment

Surname and first name(s)*:

Signature*:

Radiation protection officer

Surname and first name(s)*:

Signature*: