Application Form – Part 1

DSA Norwegian Radiation and Nuclear Safety Authority

General information about the undertaking:

Name of undertaking: _____

Organisation number: _____

Visiting address: _____ Post code: _____

Town: _____

Postal address: _____ Post code: _____

Town: _____

Tel.: _____, Fax: _____, E-mail: _____

Internet address: _____

The application relates to:

☐ New authorisation (First-Time Applicant).

☐ Change/addition to existing authorisation(s). Enter authorisation number: _____

☐ Renewal of existing authorisation(s). Enter authorisation number: _____

In the case of a change, addition or renewal, this should be specified in a separate attachment, unless it is covered by part 2 or 3 of the form.

I, the undersigned, apply, pursuant to the Regulations on Radiation Protection and Use of Radiation (Radiation Protection Regulations) Section 9, for authorisation for the following category/ies:

a) ☐ Acquisition, use and maintenance of industrial radiography equipment.

b) ☐ Acquisition and use of radiation sources for irradiation of animals, other biota, materials, products etc. for treatment, sterilisation, hardening or other purposes. This does not apply to closed X-ray facilities complying with the requirements in Section 24, paragraph 3.

c) ☐ Acquisition and use of sealed radioactive sources for logging operations, or accelerators for the characterisation of structures around boreholes.

d) ☐ Extensive, non-medical radiation use for research.

e) ☐ Acquisition and administration of radiopharmaceuticals or substances in connection with medical and veterinary diagnostics and therapy.

f) ☐ Acquisition and use of equipment for radiotherapy on humans.

g) ☐ Acquisition and use of X-ray diagnostic apparatus within the health sector, including ordinary X-ray radiography and fluoroscopy, angiography and intervention procedures, computed tomography (CT) and mammography. The acquisition and use of simple X-ray diagnostic equipment giving low doses is exempt from the authorisation requirement.

h) ☐ Acquisition and non-medical use of accelerators, except electron microscopes.

i) ☐ Manufacture and import of radiopharmaceuticals.

j) ☐ Addition of radioactive substances to products, and/or sale of such products. The sale of consumer products mentioned in Section 2, paragraph five is exempt from the authorisation requirement.

k) ☐ Manufacture of radioactive radiation sources.

l) ☐ Acquisition and use of open radioactive sources for tracer examinations outside the laboratory.

m) ☐ Acquisition and use of sealed radioactive sources with activity levels greater than 2×10^6 times the exemption limits stated in the appendix to this regulation.

n) ☐ Acquisition and use of open radioactive sources requiring type A isotope laboratory; cf. Section 27.

o) ☐ Acquisition and use of ionising radiation to check persons and use of radiological equipment for non-medical purpose.

p) ☐ Import and export of high activity radioactive radiation sources.

q) ☐ Extraction of radioactive substances in connection with mining operations.

r) ☐ Sale and leasing of radiation sources. Authorisation requirements do not apply to radiation sources and areas of use mentioned in Section 2, paragraphs five and six.

s) ☐ Acquisition and use of magnetic resonance imaging (MR) for medical purposes.

t) ☐ Import or manufacture of solariums for cosmetic purposes.

Radiation Protection Coordinator (cf. Section 17):

The undertaking may have several radiation protection coordinators. One of them must be designated as the central radiation protection coordinator.

Name of (central) radiation protection coordinator: _____

Postal address: _____ Post code:_____

City: _____

Tel. (Direct): _____, E-mail: _____

Short description of competence (education, experience, training, etc.): _____

_____

_____

Application form Part 2 for relevant categories (a-t) is attached to the application: ☐ Yes ☐ No

Number of Part 2 application forms attached to the application:

Application form Part 3 for relevant categories (a-t) is attached to the application: ☐ Yes ☐ No

Number of Part 3 application forms attached to the application:

Attachments:

Number of other attachments:

Date: _____

Signature: _____

(General manager of the undertaking)

In block letters:

Part 2 shall be completed in addition to Part 1. Requested information/documentation shall be attached to this application. Please add comments if questions cannot be answered with "Yes". Section references refer to the Radiation Protection Regulations, which can be found on www.dsa.no.

Refer to the DSA guidance on industrial radiography "Veiledning om industriell radiografi – veiledning til forskrift om strålevern og bruk av stråling" for advice on how to complete the application form. The guidance is available at www.dsa.no.

The application applies to:

Performance of industrial radiography ☐

Maintenance of radiography equipment ☐

The form can be used for both application types, but not all requested information will be relevant for both performance and maintenance. Requested information that applies only to maintenance is collected in the end of the application form. Undertakings that also wish to distribute radiation sources must send a separate application for this in accordance with Section 9 (r) of the Radiation Protection Regulations.

Subsidiary undertakings:

If the undertaking has several subsidiary undertakings for which authorisation to perform industrial radiography is requested, please provide details of these undertakings below.

(Alternatively, the overview can be attached, attachment no.:_____)

Name of undertaking	Org. number	Local radiation protection coordinator

Statistical information:

In order for the DSA to get an impression to the scope of industrial radiography operations, please fill in the table below.

Number of gamma radiography containers	
Number of X-ray generators	
Number of accelerators	
Number of shielded enclosures	
Number of certified supervisors (min. 35 hour course) holding a Norwegian certificate	
Number of certified supervisors (min. 35 hour course) holding a foreign certificate	
Number of certified operators (min. 14 hour course) holding a Norwegian certificate	
Number of certified operators (min. 14 hour course) holding a foreign certificate	

Supervisors and operators (Section 16):

List the names of supervisors and operators. Alternatively, add an overview, attachment no.:_____. Attach copies of radiation protection certificates.

Name	Name

Instructions and procedures (Section 16):

Enter the instructions and procedures that are available and can be provided on request.

Instructions or procedures	Available	Not relevant
Instructions for the radiation protection coordinator	☐	☐
Instructions for supervisors and operators	☐	☐
Procedure for performance of radiography	☐	☐
Procedure for maintenance of radiography equipment	☐	☐
Procedure for storage of gamma sources	☐	☐
Procedure for transport of gamma sources	☐	☐
Instructions for accident management	☐	☐

Comments:

Security of gamma sources (Sections 18 and 25):
Describe the undertaking's system for securing radioactive sources against theft and sabotage. (Alternatively, attach the description, attachment no.:_____)

Maintenance of radiography containers (Section 22):
Give a description of the undertaking's system for maintenance of radiography equipment. (Alternatively, attach the description, attachment no.:____)

Overview of radiation sources (Section 21):

Describe the undertaking's system for keeping track of the radiation sources, especially in connection with radiography assignments outside your own undertaking. (Alternatively, attach the description, attachment no.:____)

Reporting of non-conformances (Section 20):

Describe the undertaking's routines for reporting accidents, incidents or abnormal events. (Alternatively, attach the description, attachment no.:____)

Safety equipment (Section 26):

Specify the types of safety equipment your undertaking has available

	Equipment	Available	Not relevant
Gamma and x-ray	Hand-held radiation monitor	☐	☐
	Acoustic alarm unit	☐	☐
	Barrier tape	☐	☐
	Standard warning signs	☐	☐
Gamma	Long handling tongs	☐	☐
	Lead bags	☐	☐
	Emergency container	☐	☐
X-ray	Slit aperture	☐	☐
	Lead cover	☐	☐
	Warning light	☐	☐

Description of the shielded enclosure (Section 26):

If the undertaking performs radiography in shielded enclosures (see guidance on industrial radiography), please answer the following questions about the installation

	Yes
Is the dose rate outside the shielded enclosure always below 7.5 µSv/h?	☐
Are doors into the radiography room which are not monitored/controlled by the operator lockable so that they cannot be opened from the outside?	☐
Does the radiography room have at least one safety system to prevent people from accidentally entering the area during exposure? Describe the safety system. (You may attach a description, attachment no.:_____)	☐
If a person is inside the radiography room during exposure, does he/she have the means to stop the exposure or evacuate on his/her own? Describe how the person can evacuate or stop the exposure. (You may attach a description, attachment no.:_____)	☐

Waste management, i.e. disposal of discarded radiography sources (Section 14):

Describe the undertaking's system for disposing of disused radiography sources. (You may attach a description, attachment no.:_____)

Authorisation for maintenance of radiography equipment:

For what type of equipment does the application apply? Attach documentation on the undertaking's expertise for maintenance of relevant equipment. Attachment no.:_____

Date: _____ Signature: _____

_____
(in block letters)