

Registration of radiation equipment

OHS information for employers

This bulletin outlines Alberta Occupational Health and Safety (OHS) registration requirements for certain kinds of radiation equipment. Since radiation is a hazard that can affect the health and safety of workers or others at or in the vicinity of a work site, employers must take steps to ensure radiation equipment functions properly.

KEY INFORMATION

- Certain types of radiation equipment must be inspected and have a valid registration certificate before operation.
- Class 3b and Class 4 lasers and all X-ray equipment must have a valid registration certificate.
- A number of professional colleges (e.g. medical) and universities are authorized to issue registration certificates for their sectors.
- The Alberta Association for Safety Partnerships (AASP) is authorized to issue registration certificates for other sectors.

Requirements for radiation equipment

Alberta's OHS legislation lists the types of radiation equipment that must have a registration certificate before being used.

- The registration certificate must be kept current.

Class 3b and Class 4 lasers, X-ray equipment, and certain particle accelerators are included in this list.

EXAMPLE INDUSTRIES WHERE DESIGNATED RADIATION EQUIPMENT MAY BE FOUND

Class 3b and Class 4 lasers at facilities including:

commercial	entertainment	physical therapy
chiropractic	massage therapy	laser hair removal
correctional	government	research
dental	medical	tattoo removal
education	industrial	veterinary
dental hygiene	metal fabrication	other sectors

X-ray equipment used in:

medical	industrial	laboratory
dental	radiography	other sectors
veterinary		

Particle accelerators used in:

medical or research sectors

How to register radiation equipment

A number of professional colleges (e.g. medical), universities and the Alberta Association for Safety Partnerships (AASP) issue registration certificates for radiation equipment on behalf of Alberta OHS.

Before installing or operating radiation equipment defined as "designated radiation equipment" in the OHS Code, employers must:

- Have the equipment inspected by a government-approved inspection agency.

And

- Submit an application to a government-approved registration agency (e.g. AASP) to register the equipment and get a certificate.

You can find more information at [Register your radiation equipment](#) on Alberta.ca. The [Guide for Alberta's Radiation Protection Program](#) also provides additional detail.

Radiation inspection and registration agencies may charge a fee for their services.

Failure to comply

There are consequences if you do not follow these rules.

Persons who do not follow the rules of the *OHS Act* or *OHS Code* or fail to comply with an order made under this act or Code are guilty of an offence and liable to:



- A fine of up to \$500,000 for a first offence or \$1,000,000 for a second or subsequent offence, plus an additional \$30,000 per day or \$60,000 per day (for a second offence) for each day the offence continues.

Or

- Imprisonment of up to 6 months for a first offence or 12 months for a second offence.

Or

- Both fines and imprisonment.

This is in addition to:

- Administrative penalties of up to \$10,000, plus \$10,000 per day for each day the offence continues.
- Compliance orders and/or stop work/stop use orders.

Contact us

OHS Contact Centre

Anywhere in Alberta

- 1-866-415-8690

Edmonton and surrounding area

- 780-415-8690

Deaf or hard of hearing (TTY)

- 1-800-232-7215 (Alberta)
- 780-427-9999 (Edmonton)

Notify OHS of health and safety concerns

alberta.ca/file-complaint-online.aspx

Call the OHS Contact Centre if you have concerns that involve immediate danger to a person on a work site.

Report a workplace incident to OHS

alberta.ca/ohs-complaints-incidents.aspx

Website

alberta.ca/ohs

Get copies of the OHS Act, Regulation and Code

Alberta Queen's Printer

qp.gov.ab.ca

OHS

alberta.ca/ohs-act-regulation-code.aspx

For more information

Guide for Alberta's Radiation Protection Program

open.alberta.ca/publications/guide-for-albertas-radiation-protection-program

Incident reporting and investigation

ohs-pubstore.labour.alberta.ca/li016

Personal exposure monitoring for ionizing radiation (dosimetry)

ohs-pubstore.labour.alberta.ca/rad008

Register your radiation equipment

alberta.ca/register-radiation-equipment.aspx

© 2021 Government of Alberta

This material is for information only. The information provided in this material is solely for the user's information and convenience and, while thought to be accurate and functional, it is provided without warranty of any kind. The Crown, its agents, employees or contractors will not be liable to you for any damages, direct or indirect, arising out of your use of the information contained in this material. If in doubt with respect to any information contained within this material, or for confirmation of legal requirements, please refer to the current edition of the *Occupational Health and Safety Act*, Regulation and Code or other applicable legislation. Further, if there is any inconsistency or conflict between any of the information contained in this material and the applicable legislative requirement, the legislative requirement shall prevail. This material is current to December 2021. The law is constantly changing with new legislation, amendments to existing legislation, and decisions from the courts. It is important that you keep yourself informed of the current law. This material may be used, reproduced, stored or transmitted for non-commercial purposes. The source of this material must be acknowledged when publishing or issuing it to others. This material is not to be used, reproduced, stored or transmitted for commercial purposes without written permission from the Government of Alberta.

Registration of radiation equipment

©2021 Government of Alberta | Published December 2021 | RAD009

Classification: Public

