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**

<table>
<thead>
<tr>
<th>Class 3b and Class 4 lasers at facilities including:</th>
<th>Class 4 lasers at facilities including:</th>
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<tbody>
<tr>
<td>commercial</td>
<td>entertainment</td>
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<tr>
<td>chiropractic</td>
<td>physical therapy</td>
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<td>correctional</td>
<td>laser hair removal</td>
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<tr>
<td>dental</td>
<td>research</td>
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<td>education</td>
<td>tattoo removal</td>
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<tr>
<td>dental hygiene</td>
<td>veterinary</td>
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<td>other sectors</td>
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<table>
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<th>X-ray equipment used in:</th>
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<tr>
<td>medical</td>
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<tr>
<td>dental</td>
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<td>veterinary</td>
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<th>Particle accelerators used in:</th>
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<td>medical or research sectors</td>
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**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.
- 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.
- Imprisonment of up to 6 months for a first offence or 12 months for a second offence.
- 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.
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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

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/ii016

Personal exposure monitoring for ionizing radiation
(dosimetry)
ohs-pubstore.labour.alberta.ca/rad008

Register your radiation equipment
alberta.ca/register-radiation-equipment.aspx

Website
alberta.ca/ohs

Get copies of the OHS Act, Regulation and Code
Alberta Queen’s Printer
gp.gov.ab.ca

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

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