

Approval Date: March 29, 2006

Parent Policy: [Health and Safety Policy](#)

## Operation of Designated Radiation Equipment Procedure

<b>Office of Administrative Responsibility:</b>	Environment, Health and Safety
<b>Approver:</b>	Director, Environment, Health and Safety
<b>Scope:</b>	Compliance with University procedure extends to all members of the University community.

### Overview

This procedure concerns the operation of Designated Radiation Equipment.

### Purpose

The purpose of this document is to ensure compliance with federal and provincial regulations regarding the use of Designated Radiation Equipment. The Provincial and Federal statute for this procedure is the Radiation Protection Act (Alberta), Radiation Protection Regulation (Alberta), and Radiation Emitting Devices Regulations (Canada).

## **PROCEDURE**

No person at the University of Alberta shall operate **Designated Radiation Equipment** without a valid **Registration Certificate** obtainable through the Radiation Safety Office, Office of Environment, Health & Safety and subject to the terms and conditions imposed therein.

## **DEFINITIONS**

Any definitions listed in the following table apply to this document only with no implied or intended institution-wide use. [ <a href="#">▲Top</a> ]	
<b>Designated Radiation Equipment</b>	Equipment which is regulated under the Radiation Protection Act and Regulations of Alberta and includes x-ray equipment, Class 3b lasers, Class 4 lasers and particle accelerators.
<b>Registration Certificate</b>	A certificate issued by the University of Alberta for use of designated radiation equipment including x-ray machines, Class 3b / 4 lasers and particle accelerators up to 10 Mev.
<b>X-ray Equipment</b>	Equipment capable of producing x-rays for medical, dental, veterinary, research or analytical purposes.
<b>Class 3b Laser</b>	A laser whose output exceeds 5 times the maximum permissible exposure limit for the eye but which:  (i) cannot exceed an average radiant power greater than 0.5 W for 0.25 s or longer or,  (ii) cannot produce radiant energy greater than 0.125 J for exposure times less than 0.25 s.
<b>Class 4 Laser</b>	A laser whose output exceeds the limits for Class 3b lasers.

**FORMS**

There are no forms for this procedure. [[▲Top](#)]

**RELATED LINKS**

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