

4731.2220 HIGH RADIATION AREAS; CONTROL OF ACCESS.**Subpart 1. Entrance controls required.**

A. A licensee must ensure that each entrance or access point to a high radiation area has one or more of the following features:

(1) a control device that, upon entry into the area, causes the level of radiation to be reduced below that level at which an individual might receive a deep dose equivalent of 0.1 rem (1 mSv) in one hour at 30 centimeters from the radiation source or from any surface that the radiation penetrates;

(2) a control device that energizes a conspicuous visible or audible alarm signal so that the individual entering the high radiation area and the supervisor of the activity are made aware of the entry; or

(3) entryways that are locked, except during periods when access to the areas is required, with positive control over each individual entry.

B. In place of the controls required under item A for a high radiation area, a licensee may substitute continuous direct or electronic surveillance that is capable of preventing unauthorized entry.

C. A licensee may apply to the commissioner for approval of alternative methods for controlling access to high radiation areas.

Subp. 2. **Egress required.** A licensee must establish the controls required under subpart 1 in a way that does not prevent individuals from leaving a high radiation area.

Subp. 3. **Exception; package for transport.** Control is not required for each entrance or access point to a room or other area that is a high radiation area solely because of the presence of radioactive materials prepared for transport and packaged and labeled according to the regulations of the DOT, provided that:

A. the packages do not remain in the area longer than three days; and

B. the dose rate at one meter from the external surface of any package does not exceed 0.01 rem (0.1 mSv) per hour.

Subp. 4. **Exception; hospitals.** Control of entrance or access to rooms or other areas in hospitals is not required solely because of the presence of patients containing radioactive materials, provided that there are personnel in attendance who will take the necessary precautions to:

A. prevent the exposure of individuals to radiation or radioactive material in excess of the limits established under parts 4731.2000 to 4731.2950; and

B. operate within the ALARA provisions of the licensee's radiation protection program.

Statutory Authority: *MS s 144.1202; 144.1203*

History: *29 SR 755*

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