

## **4732.1050 REQUIREMENTS FOR PERMANENT INDUSTRIAL RADIOGRAPHIC INSTALLATIONS.**

Subpart 1. **Applicability.** The requirements of this part are in addition to other applicable requirements of this chapter.

Subp. 2. **Permanent installation; requirement.** All radiographic operations must be conducted in a permanent radiographic installation, unless specifically authorized by the commissioner.

Subp. 3. **Locking of sources of radiation.** The control panel of each radiation-producing machine must be equipped with a locking device that will prevent the unauthorized use of an x-ray system or the accidental production of radiation. The radiation-producing machine must be kept locked and the key removed at all times except when under the direct visual surveillance of a radiographer.

Subp. 4. **Permanent storage precautions.** Radiation-producing machines must be secured while in storage to prevent tampering or removal by unauthorized individuals.

Subp. 5. **Required entrance controls.** An entrance that is used for personnel access to the high radiation area in a permanent industrial radiographic installation must meet the requirements of part 4732.0620, subpart 1.

Subp. 6. **Testing.**

A. The alarm system must be tested for proper operation by energizing the tube each day before the installation is used for radiographic operations. The test must include a check of both the visible and audible signals. Entrance control devices that reduce the radiation level upon entry must be tested monthly.

B. If an entrance control device or an alarm is operating improperly, it must be immediately labeled as defective and repaired within seven calendar days. The facility may continue to be used during the seven-day period if the registrant implements the continuous surveillance requirements under part 4732.1067.

C. The registrant must document all instances of interlock or alarm failures, record all corrective actions, and indicate the date that the safety device was restored to working condition.

Subp. 7. **Individual monitoring.** Registrants must provide individual monitoring devices according to part 4732.0440. At permanent radiographic installations where alarming or warning devices are in routine use, the use of a direct reading dosimeter is not required.

Subp. 8. **Records.** Registrants must maintain records of alarm system and entrance control device tests required under this part and retain each record according to part 4732.0330.

**Statutory Authority:** *MS s 144.12*

**History:** *32 SR 777*

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