

**4731.4430 CONTROL OF AEROSOLS AND GASES.**

Subpart 1. **Collection system.** A licensee who administers radioactive aerosols or gases must do so with a system that will keep airborne concentrations within the limits prescribed by parts 4731.2020 and 4731.2090.

Subp. 2. **System vented or system collection.** The system must either be directly vented to the atmosphere through an air exhaust or provide for collection and decay or disposal of the aerosol or gas in a shielded container.

Subp. 3. **Negative pressure required.** A licensee must only administer radioactive gases in rooms that are at negative pressure compared to surrounding rooms.

Subp. 4. **Calculation of time needed after a release.** Before receiving, using, or storing a radioactive gas, the licensee must calculate the amount of time needed after a release to reduce the concentration in the area of use to the occupational limit listed in part 4731.2750. The calculation must be based on the highest activity of gas handled in a single container and the measured available air exhaust rate.

Subp. 5. **Posting time needed after a release.** A licensee must post the time needed after a release to reduce the concentration to the occupational limit calculated for the area of use and require that, in case of a gas spill, individuals evacuate the room until the posted time has elapsed.

Subp. 6. **Monthly check on collection system.** A licensee must check the operation of collection systems monthly and measure the ventilation rates in areas of use at intervals not to exceed six months.

Subp. 7. **Records retention.** Records of these checks and measurements must be maintained for three years.

**Statutory Authority:** *MS s 144.1202; 144.1203*

**History:** *36 SR 74*

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