

**4731.4475 MOBILE REMOTE AFTERLOADER UNITS; ADDITIONAL REQUIREMENTS.**

Subpart 1. **General requirements.** A licensee providing mobile remote afterloader service must:

- A. check survey instruments before medical use at each address of use or on each day of use, whichever is more frequent; and
- B. account for all sources before departure from a client's address of use.

Subp. 2. **Check requirements.** In addition to the periodic spot checks required under part 4731.4473, a licensee authorized to use mobile afterloaders for medical use must perform checks on each remote afterloader unit before use at each address of use. At a minimum, checks must be made to verify the operation of:

- A. electrical interlocks on treatment area access points;
- B. source exposure indicator lights on the remote afterloader unit, on the control console, and in the facility;
- C. viewing and intercom systems;
- D. applicators, source transfer tubes, and transfer tube-applicator interfaces;
- E. radiation monitors used to indicate room exposures;
- F. source positioning (accuracy); and
- G. radiation monitors used to indicate whether the source has returned to a safe shielded position.

Subp. 3. **Simulated treatment cycle.** In addition to the requirements for checks under subpart 2, a licensee must ensure proper overall operation of the remote afterloader unit by conducting a simulated cycle of treatment before use at each address of use.

Subp. 4. **Malfunctions.** If the results of the checks required under subpart 2 indicate the malfunction of any system, a licensee must lock the control console in the off position and not use the unit except as may be necessary to repair, replace, or check the malfunctioning system.

Subp. 5. **Record retention.** A licensee must retain a record of each check required under subpart 2 according to part 4731.4522.

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

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