**44:03:01:14.02.  Operator training requirements for X-radiation producing equipment--Diagnostic computed tomography excluded.** A qualified instructor shall do all training for operators of X-radiation producing equipment. The instructor or training program must provide a letter or certificate of the training that must include the dates, instructor, and subjects covered. The operator shall maintain a record of the training. Continuing education credits qualify as part of the training. A licensee must ensure documented training for the operation of X-radiation producing equipment in:

 (1)  Fundamentals of radiation safety, covering characteristics of radiation, units of radiation measurement, hazards of exposure to radiation, levels of radiation from sources, and methods of controlling radiation dose;

 (2)  Familiarization with equipment, covering identification of controls, function of each control, how each control affects technique chart, and utilization of technique chart;

 (3)  Film processing, covering film speed as related to patient exposure, film processing with automatic processors, manual film processing, and factors affecting film processing quality;

 (4)  Computed radiography or digital radiography image acquisition, covering exposure index values, defined as the numerical value related to the signal to noise ratio squared of the image;

 (5)  Anatomy and positioning relative to scope of practice, including patient preparation, and correct method for performing procedures; and

 (6)  Federal and state regulations pertinent to the services offered.

 **Source:** 26 SDR 96, effective January 23, 2000; 50 SDR 41, effective October 11, 2023.

 **General Authority:** SDCL 34-21-4.1, 34-21-15.

 **Law Implemented:** SDCL 34-21-4.1.