

**WAC 246-243-230 Appendix A—Minimum subjects to be covered in training radiographers.** (1) *Fundamentals of radiation safety*

- (a) Characteristics of ionizing radiation
- (b) Units of radiation dose and quantity of radioactivity
- (c) Hazards of exposure to radiation
  - (i) Radiation protection standards
  - (ii) Biological effects of radiation dose
- (d) Levels of radiation from sources of radiation
- (e) Methods of controlling radiation dose
  - (i) Working time
  - (ii) Working distances
  - (iii) Shielding
- (2) *Radiation detection instrumentation to be used*
  - (a) Use of radiation survey instruments
    - (i) Operation
    - (ii) Calibration
    - (iii) Limitations
  - (b) Survey techniques
  - (c) Use of personnel monitoring equipment
    - (i) Film badges
    - (ii) Pocket dosimeters
    - (iii) Thermoluminescent dosimeters
    - (iv) Alarming rate meters
- (3) *Radiographic equipment to be used*
  - (a) Operation and control of remote handling equipment, radiographic exposure equipment, and storage containers, including pictures or models of source assemblies (pigtailed)
  - (b) Inspection and maintenance of equipment
  - (c) Storage, control, and disposal of licensed material
- (4) *The requirements of pertinent federal and state regulations*
- (5) *The licensee's written operating and emergency procedures*
- (6) *Case histories of radiography accidents.*

[Statutory Authority: RCW 70.98.050. WSR 00-08-013, § 246-243-230, filed 3/24/00, effective 4/24/00; WSR 94-01-073, § 246-243-230, filed 12/9/93, effective 1/9/94. Statutory Authority: RCW 43.70.040. WSR 91-02-049 (Order 121), recodified as § 246-243-230, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.050. WSR 81-01-011 (Order 1570), § 402-36-160, filed 12/8/80; Order 1084, § 402-36-160, filed 1/14/76; Order 1, § 402-36-160, filed 1/8/69; Rules (part), filed 10/26/66.]