- WAC 246-244-140 Training requirements. (1) The licensee may not permit an individual to act as a logging supervisor until that person:
- (a) Has completed at least forty hours of formal training in a course recognized by the department, the United States Nuclear Regulatory Commission, an agreement state, or a licensing state covering the subjects outlined in subsection (5) of this section;
 - (b) Has received copies of and instruction in:
- (i) Washington state regulations contained in this chapter and in the applicable chapters 246-220, 246-221, and 246-222 WAC or their equivalent;
- (ii) The license under which the logging supervisor will perform well-logging operations; and
- (iii) The licensee's operating, recordkeeping, and emergency procedures.
- (c) Has completed three months of on-the-job training and demonstrated competence in the use of licensed materials, remote handling tools, and radiation survey instruments by a field evaluation; and
- (d) Has demonstrated understanding of the requirements in (a) and (b) of this subsection by successfully completing a closed book written test.
- (2) The licensee may not permit an individual to act as a logging assistant until that person:
- (a) Has received copies of and instruction in the licensee's operating and emergency procedures;
- (b) Has demonstrated understanding of the materials listed in subsection (1)(a) and (b) of this section by successfully completing a closed book written test; and
- (c) Has received instructions in the use, under the personal supervision of the logging supervisor, of tracer material, sealed sources, remote handling tools, and radiation survey instruments, as appropriate.
- (3) Each licensee shall provide for documented refresher training of logging supervisors and logging assistants at intervals not to exceed twelve months.
- (4) Each licensee shall maintain a record of each logging supervisor's and logging assistant's training, including copies and dates of written tests for a minimum of three years following the termination of employment.
- (5) Each licensee shall include the following subjects in the formal training required by this chapter:
 - (a) Fundamentals of radiation safety:
 - (i) Characteristics of radiation;
 - (ii) Units of radiation dose and quantity of radioactivity;
 - (iii) Hazards of exposure to radiation;
 - (iv) Levels of radiation from licensed material;
 - (v) Methods of controlling radiation dose:
 - (A) Working time;
 - (B) Working distances;
 - (C) Shielding;
- (D) Radiation safety practices, including prevention and contamination and methods of decontamination;
 - (b) Radiation detection instrumentation to be used:
 - (i) Use of radiation survey instruments:
 - (A) Operation;
 - (B) Calibration;
 - (C) Limitations;
 - (ii) Survey techniques;

- (iii) Use of personnel monitoring equipment;
- (c) Equipment to be used:
- (i) Handling equipment and remote handling tools;
- (ii) Licensed materials;
- (iii) Storage, control, and disposal of equipment and licensed material;
 - (iv) Operation and control of equipment and licensed materials;
 - (v) Maintenance of equipment;
 - (d) Requirements of pertinent state and federal regulations;
- (e) Case histories and potential consequences of accidents in well-logging operations.

[Statutory Authority: RCW 70.98.050 and 70.98.080. WSR 91-15-112 (Order 184), § 246-244-140, filed 7/24/91, effective 8/24/91. Statutory Authority: RCW 43.70.040. WSR 91-02-049 (Order 121), recodified as § 246-244-140, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.080. WSR 87-01-031 (Order 2450), § 402-38-260, filed 12/11/86.]