

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.]