

**WAC 246-232-008 Exemption of certain timepieces, hands or dials.**

No person may introduce radioactive material into a product or material, knowing or having reason to believe that it will be transferred to persons exempt under this section or other sections or equivalent regulations of the NRC or an agreement state, except in accordance with a specific license issued by the NRC, Washington, D.C. 20555. A person is exempt from the requirements for a license and from this chapter and chapters 246-233 and 246-235 WAC to the extent that the person receives, possesses, uses, transfers, owns or acquires, and does not apply radioactive material to, or incorporate radioactive material into, the following timepieces or hands or dials containing not more than the following specified quantities of radioactive material and not exceeding the following specified levels of radiation:

- (1)(a) Nine hundred twenty-five megabecquerels (25 millicuries) of tritium per timepiece;
  - (b) One hundred eighty-five megabecquerels (five millicuries) of tritium per hand;
  - (c) Five hundred fifty-five megabecquerels (15 millicuries) of tritium per dial (bezels when used shall be considered as part of the dial);
  - (d) 3.7 megabecquerels (100 microcuries) of promethium-147 per watch or 7.4 megabecquerels (200 microcuries) of promethium-147 per any other timepiece;
  - (e) Seven hundred forty kilobecquerels (20 microcuries) of promethium-147 per watch hand or 1.48 megabecquerels (40 microcuries) of promethium-147 per other timepiece hand;
  - (f) 2.22 megabecquerels (60 microcuries) of promethium-147 per watch dial or 4.44 megabecquerels (120 microcuries) of promethium-147 per other timepiece dial (bezels when used shall be considered as part of the dial);
- (2) The levels of radiation from hands and dials containing promethium-147 will not exceed, when measured through 50 milligrams per square centimeter of absorber:
- (a) For wrist watches, one microgray (0.1 millirad) per hour at 10 centimeters from any surface;
  - (b) For pocket watches, one microgray (0.1 millirad) per hour at one centimeter from any surface;
  - (c) For any other timepiece, two micrograys (0.2 millirad) per hour at 10 centimeters from any surface.
- (3) Thirty-seven kilobecquerels (one microcurie) of radium-226 per timepiece in intact timepieces manufactured prior to November 30, 2007.

[Statutory Authority: RCW 70A.388.040 and 70A.388.110. WSR 22-19-084, § 246-232-008, filed 9/20/22, effective 10/21/22. Statutory Authority: RCW 70.98.050. WSR 13-24-025, § 246-232-008, filed 11/22/13, effective 12/23/13. Statutory Authority: RCW 70.98.050 and 70.98.080. WSR 09-06-003, § 246-232-008, filed 2/18/09, effective 3/21/09. Statutory Authority: RCW 70.98.050. WSR 01-02-068, § 246-232-008, filed 12/29/00, effective 1/29/01.]