Chapter 246-224 WAC
RADIATION PROTECTION—RADIATION MACHINE ASSEMBLY AND REGISTRATION

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DISPOSITION OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

WAC 246-224-01 Purpose and scope. [Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-001, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 70.98.050. 81-01-011 (Order 1570), § 402-16-220, filed 12/8/80; Order 1084, § 402-16-210, filed 1/14/76. Formerly WAC 402-16-010. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. Report of changes. [Statutory Authority: RCW 70.98.050. 94-01-073, § 246-224-070, filed 12/9/93, effective 1/9/94. Statutory Authority: RCW 70.98.050 and 70.98.080. 83-19-050 (Order 2026), § 402-16-250, filed 12/8/80. Formerly WAC 402-16-010. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-060, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 43.70.040. 91-02-049 (Order 121), recodified as § 246-224-060, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.080. 83-19-050 (Order 2026), § 402-16-250, filed 12/8/80. Formerly WAC 402-16-010. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. Approval not implied. [Statutory Authority: RCW 70.98.050 and 70.98.080. 83-19-050 (Order 2026), § 402-16-250, filed 12/8/80. Formerly WAC 402-16-010. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-050, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 43.70.040. 91-02-049 (Order 121), recodified as § 246-224-050, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.080. 83-19-050 (Order 2026), § 402-16-250, filed 12/8/80. Formerly WAC 402-16-010. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. Issuance of certificate of registration. [Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-030, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 43.70.040. 91-02-049 (Order 121), recodified as § 246-224-030, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.080. 83-19-050 (Order 2026), § 402-16-232, filed 12/8/80. Formerly WAC 402-16-010. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-020, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 43.70.040. 91-02-049 (Order 121), recodified as § 246-224-020, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.080. 83-19-050 (Order 2026), § 402-16-230, filed 12/8/80. Formerly WAC 402-16-020. Repealed by 02-14-050, filed 6/27/02, effective 7/28/02. Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-010, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 43.70.040. 91-02-049 (Order 121), recodified as § 246-224-100, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.050 and 70.98.080. Out-of-state radiation machines. [Statutory Authority: RCW 70.98.050 and 70.98.080. 91-15-083 (Order 183), § 246-224-100, filed 7/23/91, effective 8/23/91. Statutory Authority: RCW 43.70.040. 91-02-049 (Order 121), recodified as § 246-224-100, filed 12/27/90, effective 1/31/91. Statutory Authority: RCW 70.98.050, 81-
WAC 246-224-0001 Purpose. The purpose of this chapter is to regulate sources of ionizing radiation as required by RCW 70.98.050 and 70.98.080. This chapter provides for the registration of all radiation machines installed, manufactured, tested, used, or located in Washington state.

WAC 246-224-0010 Definitions. "Agent" means a person, company, or dealer; which assembles, installs, repairs, sells, or leases X-ray machines.

"Application" means, for the purpose of this chapter, the master business application and appropriate addenda used by the master license service of the department of licensing (DOL).

"Department" means the department of health.

"DOL" means the department of licensing.

"Facility" means all buildings, structures, and operations on one contiguous site or identified by one physical location address designation at which one or more radiation machines are installed, manufactured, tested, or used.

"FDA" means the United States Food and Drug Administration.

"MLS" means the department of licensing’s master license service.

"Radiation" means, for the purposes of this chapter, ionizing radiation, including X-ray, electron beam, and other machine produced particulate radiation.

"Radiation machine" means, for purposes of this chapter, a device that, when operated, produces X-ray or electron radiation, in a prescribed manner, with defined characteristics, techniques, or parameters. It does not include devices with radioactive material as the only source of radiation.

"Registrant" means the owner or controller of the radiation machine who is responsible for the safe operation of the radiation machine.

"Registration" means providing required information and continuing contact with the department by any person possessing a radiation machine in accordance with regulations adopted by the department.

"Storage" means the status of a radiation machine that is approved by the department as being unable to produce radiation without substantial effort at set-up, reassembly, or reinstallation. For facilities with a radiation control authority, (e.g., radiation safety office) a locking or disabling procedure may serve to provide this status.

WAC 246-224-0020 Who must register a radiation machine? Any X-ray facility within Washington state must register with the department.

WAC 246-224-0030 Are there any radiation machines within Washington state that do not have to be registered? Machines do not need to be registered when:

1. Electronic equipment (including television receivers) produces incidental X rays provided that the dose equivalent rate does not exceed 5 μSv/hr (0.5 mrem/hr) at 5 cm from any accessible equipment surface averaged over an area of 10 square centimeters;
2. Radiation machines are in transit;
3. Radiation machines are held for sale or lease by X-ray agents; or
4. The department allows an exemption.

WAC 246-224-0040 What if we have separate locations with radiation machines? (1) Geographically separate facilities must register separately even if these separate facilities are under one administrative control (e.g., several satellite clinics operated by one health care institution).

(2) Each facility must designate a contact person.

(3) If machines are routinely moved between or among separate facilities, notify DOL prior to the machine being moved, or notify the department at the time shielding plans are submitted for review.

WAC 246-224-0050 When and how do I register? (1) You must register with the department through submission of a master business license application and appropriate addendum used by MLS no later than fifteen calendar days of initial use unless shielding plans review is required.

(2) Facilities requiring shielding plan review must register with DOL and submit plans to the department for review prior to construction or installation of radiation machines according to WAC 246-225-030, General requirements—Plan review.

(3) Registration is valid for one year from the department approval date, or any other date as may be determined through partnership with MLS.

(4) Pay applicable registration fees according to WAC 246-254-053, Radiation machine facility registration fees.

(5) Submit registration information and applicable fees to MLS in accordance with their instructions.

Note: For DOL information, visit the following web site: http://www.dol.wa.gov/business/xray.htm.

WAC 246-224-0060 Are there other requirements besides registration? All registrants must:

1. Follow applicable standards according to chapter 246-225 WAC, Radiation protection—X-rays in the healing arts; chapter 246-227 WAC, Radiation protection—Industrial X ray; chapter 246-228 WAC, Radiation protection—
Analytical X-ray equipment; and chapter 246-229 WAC, Radiation protection—Particle accelerators;
(2) Meet general radiation protection rules and standards according to chapter 246-220 WAC, Radiation protection—General provisions; chapter 246-221 WAC, Radiation protection standards; chapter 246-222 WAC, Radiation protection—Worker rights; and
(3) Pay applicable fees for radiation machine use according to WAC 246-254-053, Radiation machine facility registration fees.

[Statutory Authority: RCW 70.98.050 and [70.98.]080. 02-14-050, § 246-224-0060, filed 6/27/02, effective 7/28/02.]

WAC 246-224-0070 When and how do I report changes to my registration? (1) You must notify DOL within thirty days of any change to your registration information.
(2) Submit registration changes to:
Department of Licensing
Master License Service
P.O. Box 49034
Olympia, WA 98504-9034
360-664-1400 or fax 360-570-7875
Note: For office of radiation protection information, visit the following web site:
For department of licensing information, visit the following web site:

[Statutory Authority: RCW 19.02.050, 43.20B.020, 43.70.110, 70.98.050, and 70.98.080. 08-09-079, § 246-224-0070, filed 4/16/08, effective 5/17/08.
Statutory Authority: RCW 70.98.050 and [70.98.]080. 02-14-050, § 246-224-0070, filed 6/27/02, effective 7/28/02.]

WAC 246-224-0080 When and how do I renew my registration? (1) You will receive registration renewal notices from DOL.
(2) You must submit renewal information and the applicable fees to DOL as specified by MLS.
(3) If you do not receive a renewal notice, contact DOL.

[Statutory Authority: RCW 19.02.050, 43.20B.020, 43.70.110, 70.98.050, and 70.98.080. 08-09-079, § 246-224-0070, filed 4/16/08, effective 5/17/08.
Statutory Authority: RCW 70.98.050 and [70.98.]080. 02-14-050, § 246-224-0070, filed 6/27/02, effective 7/28/02.]

WAC 246-224-0090 What are my obligations if I close my facility or get rid of a machine? (1) You must notify the department or DOL of the machine status within thirty days of closure or removal.
(2) If the machine is disposed of or transferred within Washington state, you must provide the department the following:
(a) The name and contact information of the recipient;
(b) The address of the recipient; and
(c) The date of the disposal or transfer.
(3) If the machine is to be placed in storage and retained, contact the department for approval.

[Statutory Authority: RCW 19.02.050, 43.20B.020, 43.70.110, 70.98.050, and 70.98.080. 08-09-079, § 246-224-0090, filed 4/16/08, effective 5/17/08.
Statutory Authority: RCW 70.98.050 and [70.98.]080. 02-14-050, § 246-224-0090, filed 6/27/02, effective 7/28/02.]
in operation and not registered according to WAC 246-254-053, Radiation machine facility registration fees.

[Statutory Authority: RCW 70.98.050 and [70.98.]080. 02-14-050, § 246-224-0120, filed 6/27/02, effective 7/28/02.]