

3701:1-52-04 Specific licenses for irradiators.

The director will approve an application for a specific license for the use of licensed material in an irradiator if the applicant meets the requirements contained in this chapter.

- (A) The applicant shall satisfy the general requirements specified in rule 3701:1-40-15 of the Administrative Code and the requirements contained in this chapter.
- (B) The application must describe the training provided to irradiator operators as required by rule 3701:1-52-18 of the Administrative Code including:
 - (1) Classroom training;
 - (2) On-the-job or simulator training;
 - (3) Safety reviews;
 - (4) Method employed by the applicant to test each operator's understanding of the department's regulations and licensing requirements and the irradiator operating and emergency procedures; and
 - (5) Minimum training and experience of personnel who may provide training.
- (C) The application must include an outline of the written operating and emergency procedures listed in rule 3701:1-52-19 of the Administrative Code that describes the radiation safety aspects of the procedures.
- (D) The application must describe the organizational structure for managing the irradiator, specifically the radiation safety responsibilities and authorities of the radiation safety officer and those management personnel who have important radiation safety responsibilities or authorities. In particular, the application must specify who, within the management structure, has the authority to stop unsafe operations. The application must also describe the training and experience required for the position of radiation safety officer.
- (E) The application must include a description of the access control systems required by rule 3701:1-52-08 of the Administrative Code, the radiation monitors required by rule 3701:1-52-11 of the Administrative Code, the method of detecting leaking sources required by rule 3701:1-52-22 of the Administrative Code including the sensitivity of the method, and a diagram of the facility that shows the locations of all required interlocks and radiation monitors.
- (F) If the applicant intends to perform leak testing of dry-source-storage sealed sources, the applicant shall establish procedures for leak testing and submit a description of these procedures to the director. The description must include the:
 - (1) Instruments to be used;
 - (2) Methods of performing the analysis; and
 - (3) Pertinent experience of the individual who analyzes the samples.
- (G) If licensee personnel are to load or unload sources, the applicant shall describe the qualifications and training of the personnel and the procedures to be used. If the

applicant intends to contract for source loading or unloading at its facility, the loading or unloading must be done by an organization specifically licensed by the United States nuclear regulatory commission, the director, or an agreement state to load or unload irradiator sources.

(H) The applicant shall describe the inspection and maintenance checks, including the frequency of the checks, required by rule 3701:1-52-23 of the Administrative Code.

Five Year Review (FYR) Dates: 10/25/2016 and 10/15/2021

CERTIFIED ELECTRONICALLY

Certification

10/25/2016

Date

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