

**3701:1-68-02 Quality assurance.**

- (A) Each handler of industrial radiation-generating equipment shall develop and maintain a written quality assurance program. The quality assurance program shall address and document, at least, the following:
- (1) The intervals of, and procedures for, the evaluation of all each type of industrial radiation-generating equipment to ensure compliance with all applicable rules of Chapter 3701:1-38 and Chapter 37021:1-68 of the Administrative Code;
  - (2) Radiation monitoring requirements such as, surveys, occupational exposure limits, maintenance of records, and procedures regarding the use of area and personnel monitoring;
  - (3) Procedures for notifying the director when individuals are occupationally over-exposed to radiation, pursuant to rule 3701:1-38-12 and rule 3701:1-38-21 of the Administrative Code;
  - (4) Radiation safety procedures for each type of industrial radiation-generating equipment to be handled;
  - (5) Training of operators of each type of industrial radiation-generating equipment to be handled in order to assure competency in the operating procedures;
  - (6) In addition to the requirements of paragraph (B)(1) of rule 3701:1-38-10 of the Administrative Code, individuals likely to be working in a restricted area or to receive an annual occupational dose in excess of one millisievert (one hundred millirem) shall be instructed in the potential hazards of being present in such an area, to include the following:
    - (a) The location, boundaries, and purpose of restricted areas; and
    - (b) A description of the industrial radiation-generating equipment and its location;
  - (7) The quality control tests to be performed and the frequency of the quality control tests to be performed as applicable to the type of industrial radiation-generating equipment and its use;
  - (8) Quality assurance policies and a method to educate the workers on any policy changes;
  - (9) Radiation workers' role and responsibility for following and supporting the facility's quality assurance program;
  - (10) ALARA policies regarding personnel protection, including time, distance, and shielding;
  - (11) Policies regarding prenatal exposure;
  - (12) Policies regarding radiation safety training for ancillary personnel;
  - (13) Policies regarding training for personnel with quality assurance responsibilities;
  - (14) Policies regarding protection of public to include identification of all radiation areas, warning signs, warning lights, and interlocks.

- (B) The following items shall be readily available for review by the department during inspections:
- (1) A complete listing of all industrial radiation-generating equipment, including the current location and description of each unit;
  - (2) All quality assurance documents as required under this rule;
  - (3) Data and test results of the evaluation of each industrial radiation-generating equipment unit, its shielding, and surroundings;
  - (4) Maintenance logs and incident reports for each industrial radiation-generating equipment system;
  - (5) Current copies of each industrial radiographer's and industrial radiographer assistant's records as required by paragraph (H)(4) of rule 3701:1-68-03 of the Administrative Code; and
  - (6) Records of quality control tests for each industrial radiation-generating equipment unit which indicates the following:
    - (a) The personnel responsible for monitoring and performing the quality control tests;
    - (b) A brief description of the procedures to be used to perform the quality control tests;
    - (c) A list of the equipment to be used in performing each quality control test;
    - (d) The manner in which the performance of quality control tests will be documented; and
    - (e) The instrumentation used to perform area radiation surveys, calibrations, and evaluations, as appropriate, of each type of industrial radiation-generating equipment, including at least biennial calibration certificates or cross-calibration documentation done within the biennium.

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