



## Ohio Administrative Code

### Rule 3701:1-52-19 Operating and emergency procedures.

Effective: September 1, 2012

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(A) The licensee shall have and follow written operating procedures for:

(1) Operation of the irradiator, including entering and leaving the radiation room;

(2) Use of personnel dosimeters;

(3) Surveying the shielding of panoramic irradiators;

(4) Monitoring pool water for contamination while the water is in the pool and before release of pool water to unrestricted areas;

(5) Leak testing of sources;

(6) Inspection and maintenance checks required by rule 3701:1-52-23 of the Administrative Code;

(7) Loading, unloading, and repositioning sources, if the operations will be performed by the licensee; and

(8) Inspection of movable shielding required by paragraph (H) of rule 3701:1-52-08 of the Administrative Code, if applicable.

(B) The licensee shall have and follow emergency or abnormal event procedures, appropriate for the irradiator type, for:

(1) Sources stuck in the unshielded position;

(2) Personnel overexposures;



- (3) A radiation alarm from the product exit portal monitor or pool monitor;
  - (4) Detection of leaking sources, pool contamination, or alarm caused by contamination of pool water;
  - (5) A low or high water level indicator, an abnormal water loss, or leakage from the source storage pool;
  - (6) A prolonged loss of electrical power;
  - (7) A fire alarm or explosion in the radiation room;
  - (8) An alarm indicating unauthorized entry into the radiation room, area around pool, or another alarmed area;
  - (9) Natural phenomena, including an earthquake, a tornado, flooding, or other phenomena as appropriate for the geographical location of the facility; and
  - (10) The jamming of automatic conveyor systems.
- (C) The licensee may revise operating and emergency procedures without director approval only if all of the following conditions are met:
- (1) The revisions do not reduce the safety of the facility;
  - (2) The revisions are consistent with the outline or summary of procedures submitted with the license application;
  - (3) The revisions have been reviewed and approved by the radiation safety officer; and
  - (4) The users or operators are instructed and tested on the revised procedures before they are put into use.