

10A NCAC 15 .0515 RADIATION SURVEYS AND SURVEY RECORDS

- (a) No radiographic operation shall be conducted unless calibrated and operable radiation survey instrumentation as described in Rule .0506 of this Section is available and used at each site where radiography is performed, including sealed source exchange and at the storage area whenever a radiographic exposure device, a storage container or sealed source is being placed in storage.
- (b) A survey with a radiation detection instrument shall be made after each radiographic exposure to determine that the sealed source has returned to its shielded position in the radiographic exposure device or the radiation machine is off. For sealed sources, the licensee shall conduct a survey of the guide tube as the radiographer or radiographer's assistant approaches the camera. The survey must determine that the sealed source has returned to its shielded position prior to exchanging films, repositioning the exposure head or dismantling the radiographic exposure device and associated equipment.
- (c) When the use of a radiographic exposure device or storage container is to be terminated at the end of a work period, a survey with a radiation detection instrument shall be made of the locked radiography device or storage container to determine that the sealed source is in its shielded position.
- (d) A survey of the radiographic exposure device and source changer shall be performed with a radiation detection instrument any time the sealed source is exchanged and whenever a radiographic exposure device is placed in a storage area.
- (e) An area survey of the perimeter of the restricted area with a radiation detection instrument shall be made with the sealed source exposed or the radiation machine on before or during the initial radiographic exposure on each shift and when the sealed source or the radiation machine target configuration for an exposure is different from that of the preceding exposure such that the radiation exposure rate at the perimeter of the restricted area is likely to increase by a measurable amount using a radiation detection instrument. These surveys are not required for radiography performed in a permanent radiographic installation.
- (f) Records of surveys required by this Rule shall be maintained in accordance with the requirements of Rule .0523 of this Section.

*History Note: Authority G.S. 104E-7; 104E-12(a)(1);
Eff. February 1, 1980;
Temporary Amendment Eff. August 20, 1994, for a period of 180 days or until the permanent rule becomes effective, whichever is sooner;
Amended Eff. April 1, 1999; May 1, 1995;
Transferred and Recodified from 15A NCAC 11 .0515 Eff. February 1, 2015;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. June 22, 2019.*