

#### **10A NCAC 15 .0804 AREA REQUIREMENTS**

(a) The local components of RGDs shall be located and arranged to include sufficient shielding or access control to ensure no radiation levels exist in any area surrounding the local components that could result in a dose to an individual present in excess of the dose limits given in Rule .1611(a) of this Chapter.

##### **(b) Survey Requirements**

- (1) Radiation surveys, as set forth in Rule .1613(a) and (b) of this Chapter, of all RGDs sufficient to show compliance with Paragraph (a) of this Rule, shall be performed:
  - (A) within 30 days after initial operation of the device;
  - (B) prior to use following any change in the initial arrangement, including the number or type of local components in the system; and
  - (C) prior to use following any maintenance requiring the disassembly or removal of a local component in the system that could affect the radiation exposure to personnel.
- (2) A registrant may apply to the agency for approval of procedures differing from those in Subparagraph (b)(1) of this Rule, provided that the registrant demonstrates satisfactory compliance with Paragraph (a) of this Rule.
- (3) Surveys shall be performed with a radiation survey instrument capable of the following:
  - (A) measuring the radiation energies of the system surveyed;
  - (B) confirming that the radiation limits of this Section are met; and
  - (C) calibrated according to the manufacture's recommended frequency or at least annually when a frequency is not recommended.

(c) Each area of use or room containing RGDs shall be conspicuously posted with caution signs in accordance with the requirements of Rule .1623 of this Chapter, bearing the radiation caution symbol and the words "CAUTION - X-RAY EQUIPMENT," or words having a similar meaning.

*History Note: Authority G.S. 104E-7(a)(2);  
Eff. February 1, 1980;  
Amended Eff. January 1, 1994;  
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