

1 10A NCAC 15 .0804 is proposed for amendment as follows:

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3 **10A NCAC 15 .0804 AREA REQUIREMENTS**

4 (a) The local components of ~~an analytical x-ray system~~ RGDs shall be ~~so-located~~ located and arranged ~~and shall~~
5 ~~include~~ to include sufficient shielding or access control ~~that~~ to ensure no radiation levels exist in any area surrounding
6 the local ~~component group which~~ components that could result in a dose to an individual present therein in excess of
7 the dose limits given in Rule ~~.1611~~ .1611(a) of this Chapter. ~~For systems utilizing x-ray tubes, these levels shall be~~
8 ~~met at any specified tube rating. A registrant or licensee may apply to the agency for an exemption from this~~
9 ~~requirement pursuant to Rule .0106(a) of this Chapter.~~

10 (b) ~~Surveys~~ Survey Requirements

11 (1) Radiation surveys, ~~as required by Rule .1613~~ as set forth in Rule .1613(a) and (b) of this Chapter,
12 of all ~~analytical x-ray systems~~ RGDs sufficient to show compliance with Paragraph (a) of this Rule,
13 shall be performed:

- 14 (A) ~~upon installation of the equipment;~~ within 30 days after initial operation of the device;
15 (B) prior to use following any change in the initial ~~arrangement,~~ arrangement including the
16 number or type of local components in the system; and
17 (C) prior to use following any maintenance requiring the disassembly or removal of a local
18 component in the system ~~which that~~ that could affect the radiation exposure to ~~personnel;~~
19 personnel.
20 (D) ~~radiation monitoring shall be performed during maintenance.~~

21 (2) ~~A licensee or~~ A registrant may apply to the agency for approval of procedures differing from those
22 in Subparagraph (b)(1) of this Rule, provided that the ~~licensee or~~ registrant demonstrates satisfactory
23 compliance with Paragraph (a) of this Rule.

24 (3) Surveys must be performed with a radiation survey instrument capable of the following:

- 25 (A) measuring the radiation energies of the system surveyed;
26 (B) confirming that the radiation limits of this Section are met; and
27 (C) calibrated according to the manufacture's recommended frequency or at least annually
28 when a frequency is not recommended.

29 (c) Each area of use or room containing ~~analytical x-ray equipment~~ RGDs shall be conspicuously posted with a ~~sign~~
30 ~~or signs~~ caution signs in accordance with the requirements of Rule .1623 of this Chapter, bearing the radiation caution
31 symbol and the words "CAUTION - X-RAY ~~EQUIPMENT~~"; EQUIPMENT," or words having a similar ~~intent.~~
32 meaning.

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34 *History Note: Authority G.S. ~~104E-7~~; 104E-7(a)(2);*

35 *Eff. February 1, 1980;*

36 *Amended Eff. January 1, 1994;*

37 *Transferred and Recodified from 15A NCAC 11 .0804 Eff. February 1, 2015; 2015;*

