

1 10A NCAC 15 .0905 is proposed for readoption with substantive changes as follows:

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3 **10A NCAC 15 .0905 SHIELDING AND SAFETY DESIGN**

4 (a) ~~A~~For medical use a qualified expert registered to provide Class VII services by the agency pursuant to Rule .0205
5 of this Chapter, or an Authorized Medical Physicist named on the licensee's license, shall be consulted in the design
6 of a particle accelerator ~~installation. A qualified expert installation and~~ shall perform a radiation survey when the
7 accelerator is first capable of producing radiation to verify that radiation levels and shielding effectiveness meet the
8 applicable requirements in this Chapter. ~~A copy of the survey shall be submitted to the agency by the licensee prior~~
9 ~~to its use for its licensed purpose.~~

10 (b) For Veterinary use a a qualified expert registered to provide Class VII services pursuant to Rule .0205 of this
11 Chapter by the agency or an Authorized Medical Physicist named on the licensee's license, shall be consulted in the
12 design of a particle accelerator installation and shall perform a radiation survey when the accelerator is first capable
13 of producing radiation to verify that radiation levels and shielding effectiveness meet the applicable requirements in
14 this Chapter.

15 (c) For non-medical use, a qualified expert registered to provide Class VII or Class IX services by the agency pursuant
16 to Rule .0205 of this Chapter, an individual with a Master's Degree in physics or higher, or the licensee's Radiation
17 Safety Officer shall be consulted in the design of a particle accelerator and shall perform a radiation survey when the
18 accelerator is first capable of producing radiation to verify that radiation levels and shielding effectiveness meet the
19 applicable requirements in this Chapter. The Radiation Safety Officer may delegate performing the radiation survey
20 to another individual provided the Radiation Safety Officer reviews the final survey results.

21 (d) Persons registered with the Agency to provide Class VII services providing shielding and design, or post-
22 installation survey services to demonstrate compliance with Rule .1601 of this Chapter prior to the effective date of
23 this Rule shall be authorized to conduct activities authorized by (a) – (c) of this Rule.

24 (e) A copy of the survey performed to document compliance with Rule .1601 of the Chapter shall be submitted to the
25 agency by the licensee prior to use of the particle accelerator for its licensed purpose.

26 ~~(b)(f)~~ Plans for construction of accelerator installations shall be submitted to the agency.

27 ~~(e)(g)~~ Each particle accelerator installation shall be provided with such primary and secondary barriers as are
28 necessary to assure compliance with ~~Rules .1604 and .1611~~ .1601 of this Chapter.

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30 *History Note: Authority G.S. 104E-7;*
31 *Eff. February 1, 1980;*
32 *Amended Eff. January 1, 1994;*
33 *Transferred and Recodified from 15A NCAC 11 .0905 Eff. February 1, 2015; 2015;*
34 *Readopted Eff. October 1, 2025.*