

1 10A NCAC 15 .1909 is proposed for adoption as follows:

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3 **10A NCAC 15 .1909 SHIELDING AND SAFETY DESIGN REQUIREMENTS**

4 (a) Each therapeutic radiation machine subject to Rules within this Section shall be provided with such primary and
5 secondary barriers as are necessary to ensure compliance with Rules .1601(a)(8) and .1601(a)(15) of this Chapter and
6 must consider the types of radiation generated in the use of the equipment.

7 (b) Facility shielding and safety designs shall be performed in accordance with current published recommendations
8 from a recognized national professional association with expertise in the use of therapeutic radiation technologies,
9 such as the American Association of Physicists in Medicine and the National Council on Radiation Protection and
10 Measurements. In the absence of a protocol published by a national professional association, the manufacturer's
11 protocol or equivalent quality, safety, and security protocols, shall be followed.

12 (c) Facility design information for all new installations of a therapeutic radiation machine or installations of a
13 therapeutic radiation machine of different model, higher energy or workload into a room not previously approved for
14 that energy, isocenter or planned workload shall be submitted for Agency approval prior to actual installation of the
15 therapeutic radiation machine.

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17 *History Note: Authority G.S. 104E-7;*

18 *Eff. October 1, 2025.*