

1 10A NCAC 15 .1909 is adopted as published in 39:19 NCR 1225-1262 as follows:

2
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.

16
17 History Note: Authority G.S. 104E-7;

18 Eff. October 1, 2025.