

SECTION .0800 - RADIATION GENERATING DEVICES

10A NCAC 15 .0801 PURPOSE AND SCOPE

(a) This Section provides additional requirements for use of ionizing radiation generating devices (RGDs) operating above five thousand electron volts (5 keV), but below one million electron volts (1 MeV). The requirements of this Section are in addition to the provisions in Sections .0100, .0200, .1000, and .1600 of this Chapter.

(b) This Section does not pertain to radiation safety requirements for industrial radiographic machines for non-human use that are covered in Section .0500 of this Chapter, x-rays in the healing arts in Section .0600 of this Chapter, and particle accelerators in Section .0900 of this Chapter.

(c) RGDs used for the purpose of elemental analysis, microstructural analysis, quality assurance, quality control, research and development, gauging and measurement, or other nondestructive testing and evaluation in this Section includes:

- (1) analytical RGDs;
- (2) cabinet x-ray systems;
- (3) electron beam devices operating below 1MeV;
- (4) electron microscopes;
- (5) ion implantation equipment, low energy;
- (6) gauging devices;
- (7) radiographic and radiosopic non-healing arts x-ray equipment; and
- (8) security screening devices and systems for government use only.

*History Note: Authority G.S. 104E-7;
Eff. February 1, 1980;
Transferred and Recodified from 15A NCAC 11 .0801 Eff. February 1, 2015;
Amended Eff. October 1, 2015;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. June 22, 2019;
Amended Eff. November 1, 2024.*