

10A NCAC 15 .0803 PERSONNEL REQUIREMENTS

(a) The registrant, as defined in 10A NCAC 15 .0104(130), shall document the scope of training and instruction required for the RGD in use.

(b) No individual shall be permitted to operate or maintain RGDs unless the individual has received instruction in the basic principles of radiation protection, training specific to the manufacturer's recommendations for safe operation and unique features of the RGD in use, and instruction in the operating and emergency procedures. Instruction and training shall include:

- (1) Basic principles of radiation protection:
 - (A) radiation fundamentals;
 - (B) source and magnitude of common sources of radiation exposure;
 - (C) units of radiation dose and measurements;
 - (D) potential hazards, biological effects of ionizing radiation, and recognition of symptoms of an acute localized exposure;
 - (E) ALARA (As Low As Reasonably Achievable) principles for radiation protection concepts of time, distance, and shielding to minimize radiation exposure;
 - (F) declared pregnancy policy;
 - (G) occupational, embryo/fetus, and public dose limits; and
 - (H) proper use of individual monitoring devices and survey instruments.
- (2) Device specific training for each RGD:
 - (A) hands-on training for proper use;
 - (B) radiation hazards associated with use;
 - (C) precautions to take or measures required to minimize radiation exposure;
 - (D) procedures to prevent unauthorized use; and
 - (E) agency rules regarding use.
- (3) Operating and emergency procedure requirements of Rule .0804 in this Section.

(c) Records of instruction and training for each individual operating RGDs, documenting that the requirements of this Rule have been met, shall be maintained and available for agency review during inspection.

(d) Persons who will be operating the RGD shall be able to demonstrate an understanding in safe operating procedures and use of the RGD according to the manufacturer's specifications and to an authorized representative of the Radiation Protection Section.

(e) Each registrant shall provide ring or wrist individual monitoring devices to individuals:

- (1) operating open-beam RGDs; and
- (2) performing maintenance on an RGD, if the maintenance procedures require the presence of a primary x-ray beam when any local component in the RGD is disassembled or removed.

*History Note: Authority G.S. 104E-7;
Eff. February 1, 1980;
Transferred and Recodified from 15A NCAC 11 .0803 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.*