

**10A NCAC 15 .0519 SUBJECTS TO BE COVERED DURING INSTRUCTION OF RADIOGRAPHERS**

The following subjects shall be covered in the instructions of radiographers:

- (1) fundamentals of radiation safety:
  - (a) characteristics of gamma and x-radiation;
  - (b) units of radiation dose (mrem, sievert) and quantity of radioactivity (curie, becquerel);
  - (c) hazards of exposure of radiation;
  - (d) levels of radiation from sources of radiation;
  - (e) methods of controlling radiation dose:
    - (i) working time,
    - (ii) working distances,
    - (iii) shielding,
- (2) radiation detection instrumentation to be used:
  - (a) use of radiation survey instruments:
    - (i) operation,
    - (ii) calibration,
    - (iii) limitations,
  - (b) survey techniques;
  - (c) use of personnel monitoring equipment:
    - (i) film badges,
    - (ii) pocket dosimeters,
    - (iii) pocket chambers,
- (3) radiographic equipment to be used:
  - (a) remote handling equipment;
  - (b) radiographic exposure devices, radiation machines and sealed sources;
  - (c) storage containers;
  - (d) operation and control of radiography equipment;
  - (e) storage, control and disposal of sealed sources;
- (4) the requirements of pertinent federal and state regulations;
- (5) the licensee's or registrant's written operating and emergency procedures;
- (6) inspection and maintenance performed by radiographers;
- (7) case histories of radiography accidents;
- (8) the conditions of the license or registration issued by the agency.

*History Note:*

*Authority G.S. 104E-7;*

*Eff. February 1, 1980;*

*Temporary Amendment Eff. August 20, 1994 for a period of 180 days or until the permanent rule becomes effective, whichever is sooner;*

*Amended Eff. May 1, 1995;*

*Transferred and Recodified from 15A NCAC 11 .0519 Eff. February 1, 2015;*

*Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. June 22, 2019.*