

**10A NCAC 15 .1603      RADIATION PROTECTION PROGRAMS**

(a) Each licensee or registrant shall develop, document, and implement a radiation protection program commensurate with the scope and extent of licensed or registered activities and sufficient to ensure compliance with the provisions of this Section. Recordkeeping requirements relating to these programs are provided in Rule .1636 of this Section.

(b) The licensee or registrant shall use procedures and engineering controls based upon sound radiation protection principles to achieve occupational doses and doses to members of the public and releases of radioactive materials in effluents to unrestricted areas that are as low as is reasonably achievable (ALARA).

(c) The licensee or registrant shall annually review the radiation protection program content and implementation.

(d) To implement the ALARA requirements of Paragraph (b) of this Rule, and notwithstanding the requirements of Rule .1611 of this Section, a constraint on air emissions of radioactive material to the environment, excluding Radon-222 and its daughters, shall be established by licensees such that the individual member of the public likely to receive the highest dose will not be expected to receive a total effective dose equivalent in excess of 0.01 rem (0.1 mSv) per year from these emissions. If a licensee subject to this requirement exceeds this dose constraint, the licensee shall report the exceedance as provided in Rule .1647 of this Section and promptly take appropriate corrective action to ensure against recurrence.

*History Note:      Authority G.S. 104E-7(a)(2);  
                          Eff. January 1, 1994;  
                          Amended Eff. August 1, 1998;  
                          Transferred and Recodified from 15A NCAC 11 .1603 Eff. February 1, 2015.*