

10A NCAC 15 .1223 PROTECTION OF POPULATION FROM RELEASES OF RADIOACTIVITY

(a) The design goal of the engineered barrier and other requirements in this Section is confinement of the disposed waste and contained radioactivity for at least the designed life of the required engineered barriers, with reasonable assurance that any release of radioactivity or radiation will not exceed the limits stated in Paragraph (b) of this Rule and will be as low as reasonably achievable as provided in Paragraph (c) of this Rule.

(b) Land disposal facilities shall not cause external radiation levels or release concentrations of radioactive material to the general environment in groundwater, surface water, air, soil, plants, or animals that result in an annual equivalent dose to any member of the public, above background as determined in accordance with Rule .1231 of this Section, exceeding:

- (1) 25 millirems to the whole body,
- (2) 75 millirems to the thyroid, or
- (3) 25 millirems to any other organ.

(c) In accordance with the ALARA plan required by Rule .1206 of this Section, the licensee shall maintain releases of radioactivity in effluents to the general environment and resultant radiation dose to the public as low as reasonably achievable below the limits imposed in Paragraph (b) of this Rule.

*History Note: Authority G.S. 104E-7; 104E-10; 104E-25; 104E-26;
Eff. December 1, 1987;
Amended Eff. May 1, 1993;
Transferred and Recodified from 15A NCAC 11 .1223 Eff. February 1, 2015.*