

10A NCAC 15 .0906 CONTROLS AND INTERLOCK SYSTEMS

- (a) Instrumentation, readouts and controls on the particle accelerator control console shall be clearly identified and easily discernible.
- (b) All entrances into a target room or other high radiation area shall conform to the requirements of Rule .1615 of this Chapter.
- (c) When an interlock system has been tripped, it shall only be possible to resume operation of the accelerator by manually resetting controls at the position where the interlock has been tripped and, subsequently at the main control console.
- (d) Each safety interlock shall operate independently of all other safety interlocks.
- (e) All safety interlocks shall be fail-safe, i.e., designed so that any defect or component failure in the interlock system prevents operation of the accelerator.
- (f) A "Scram button" or other emergency power cut-off switch shall be located and easily identifiable in all high radiation areas and at the control console. Such a cut-off switch shall include a manual reset so that the accelerator cannot be restarted from the accelerator control console without first manually resetting the cut-off switch.

History Note: *Authority G.S. 104E-7;*
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