

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 .1601 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 the interlock that has been tripped.
- (d) Each safety interlock shall operate independently of all other safety interlocks.
- (e) All safety interlocks shall be fail-safe, meaning that safety interlocks are 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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