

1 10A NCAC 15 .0909 is readopted as published in 39:19 NCR 1225-1262 as follows:

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3 **10A NCAC 15 .0909 RADIATION MONITORING REQUIREMENTS**

4 (a) ~~Portable~~ Except for persons licensed for activities authorized by Section .1900 of this Chapter possessing non-
5 portable therapeutic radiation machines, portable monitoring equipment shall be available at each particle accelerator
6 facility. Such equipment shall be tested for proper operation monthly and calibrated at intervals not to exceed one
7 year, and after each servicing and repair.

8 (b) A radiation protection survey shall be performed and documented by a qualified expert registered by the ~~agency~~
9 Agency pursuant to Rule .0205 of this ~~Chapter~~ Chapter for the provision of Class VII, Class IX services or an
10 Authorized Medical Physicist named on the licensee's license when changes have been made in shielding, operation,
11 equipment, or occupancy of adjacent areas. The licensee shall submit the report or a copy of the report of the qualified
12 ~~expert~~ to the ~~agency~~ Agency by email to licensing.ram@dhhs.nc.gov or at one of the address addresses found in Rule
13 ~~.0111.0111(a)~~ of this Chapter.

14 (c) Except for facilities designed for human exposure, radiation levels in all high radiation areas shall be continuously
15 monitored. The monitoring devices shall be electrically independent of the accelerator control and interlock systems
16 and capable of providing a remote and local readout with visual or audible alarms at the control panel and other
17 appropriate locations.

18 (d) All area monitors shall be tested for proper operation at least every six months unless more frequent checks are
19 required by the ~~agency~~ Agency.

20 (e) ~~Whenever applicable, periodic surveys~~ Surveys shall be performed to determine the amount of airborne particulate
21 radioactivity present in areas of airborne ~~hazards~~ hazards at least annually.

22 (f) Whenever applicable, periodic smear surveys shall be made to determine the degree of contamination in target
23 and other pertinent areas.

24 (g) All area surveys shall be made in accordance with ~~the~~ written procedures ~~established by a qualified expert~~
25 ~~registered by the agency pursuant to Rule .0205 of this Chapter, or approved by the~~ radiation safety officer Radiation
26 Safety Officer of the accelerator facility.

27 (h) Records of all radiation protection surveys, calibration results, instrumentation tests, and smear results shall be
28 kept current and on file at each accelerator facility for two years for inspection by the ~~agency~~ Agency.

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30 *History Note: Authority G.S. 104E-7; 104E-12(a);*

31 *Eff. February 1, 1980;*

32 *Amended Eff. October 1, 1980;*

33 *Transferred and Recodified from 15A NCAC 11 .0909 Eff. February 1, 2015; 2015;*

34 *Readopted October 1, 2025.*