

10A NCAC 42D .0254 RADIOCHEMISTRY FACILITIES

A laboratory seeking certification for performance of radiochemical analyses of public water supplies shall meet the following requirements:

- (1) The counting instrument(s) required for measurement of those radionuclides described in 15A NCAC 18C .1500 shall be located in a separate room from rooms in which samples and standards are being prepared or other types of chemical analyses are being performed. The temperature of this room shall not exceed 27°C. Temperature variation under normal operating conditions shall not exceed 3°C.
- (2) All instruments shall be properly grounded, and a regulated power supply, either external or internal, shall be available to each instrument.
- (3) In areas where radioactive standards are being prepared, care shall be taken to minimize contamination of surfaces and personnel. Bench surfaces shall be an impervious material covered with absorbent paper, or trays (stainless steel, plastic, or fiberglass) lined with absorbent paper.
- (4) Laboratory space shall be 200 square feet per person and shall contain no less than 6 linear feet of bench space per analyst and include the following:
 - (a) sink with hot and cold running water;
 - (b) electrical outlets (120 V a.c. grounded);
 - (c) source of distilled or deionized water;
 - (d) gas supply (natural gas or liquified petroleum); a propane cylinder with proper attachments may be permitted in laboratories doing limited amounts of analytical work;
 - (e) vacuum line, pump, or aspirator; and
 - (f) exhaust hood.

*History Note: Authority G.S. 130A-315;
Eff. December 1, 1991;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. December 23, 2017.*