

### **15A NCAC 18E .0903 BED SYSTEMS**

- (a) This Rule shall apply to bed systems receiving DSE.
- (b) Bed systems shall be limited to 600 gpd unless approved for a greater DDF in accordance with a PIA Approval.
- (c) Sites for bed systems shall meet the following criteria:
  - (1) soil texture is Group I, II, or III to a depth of 48 inches below the naturally occurring soil surface or to a depth of 12 inches below the infiltrative surface, whichever is deeper; and
  - (2) design options for the site are limited by topography or available space.
- (d) The number of square feet of infiltrative surface area required shall be increased by 50 percent over that required for a trench system as calculated in accordance with Rule .0901(d) of this Section.
- (e) In addition to the installation requirements set forth in Rule .0901(g) of this Section, the following shall apply:
  - (1) the bottom of the bed shall be excavated level, plus or minus one-half inch, in all directions;
  - (2) laterals shall be one and one-half feet from the side of the bed;
  - (3) laterals shall be placed on three-foot centers;
  - (4) aggregate used shall comply with the requirements of Rule .0902(b)(4) of this Section;
  - (5) products approved under Section .1700 of this Subchapter shall be installed in accordance with their PIA Approval;
  - (6) the gravel surface shall be covered by an approved geo-textile fabric capable of preventing the downward movement of soil particles while allowing the movement of liquids and gases; and
  - (7) when pressure dispersal is used, the lateral design criteria shall meet the minimum requirements of Rules .0907(e) or .0908(d) of this Section or in accordance with a PIA Approval.

*History Note: Authority G.S. 130A-335(e), (f), and (f1); S.L. 2023-77, s.16;  
Eff. January 1, 2024;  
Amended Eff. June 1, 2026.*