

15A NCAC 18C .0711 ALTERNATIVE FILTRATION TREATMENT TECHNOLOGIES

A public water system may propose an alternative filtration treatment technology as provided in Rule .2003 of this Subchapter. The Department shall approve alternative filtration treatment technologies when the following conditions have been met and equivalent treatment efficiency, based on case-specific engineering evidence, has been demonstrated.

- (1) The source waters shall be derived from WS-I, WS-II, or WS-III watersheds.
- (2) The raw water quality standards and fluctuations shall be as specified in Rule .0710(6) of this Section, except that the following maximum concentrations shall be allowed in the influent water to the water treatment plant: Turbidity - 20 NTU, coliform - 500/100 ml, fecal coliform - 50/100 ml, and color - 20 CU.
- (3) Off-stream pre-treatment or storage shall be provided as specified in Rule .0710 of this Section, except that the raw water quality standards of Item (2) of this Rule shall be maintained in the water treatment plant influent water.
- (4) If the proposed water treatment plant employs treatment techniques that are consistent with this Subchapter, a pilot study shall be conducted in accordance with Rule .0714 of this Section.
- (5) If the pilot study demonstrates that the proposed water treatment plant can produce water that complies with all requirements of this Subchapter, engineering plans and specifications for the proposed plant and appurtenances shall be presented to the Department for review and approval prior to construction or letting a construction contract.

History Note: Authority G.S. 130A-315; 130A-317; P.L. 93-523;
Eff. July 1, 1994;
Readopted Eff. July 1, 2019.