

**SECTION .1200 – ADVANCED PRETREATMENT SYSTEMS STANDARDS, SITING, AND SIZING
CRITERIA**

15A NCAC 18E .1201 ADVANCED PRETREATMENT SYSTEM STANDARDS

- (a) Advanced pretreatment systems with a DDF less than or equal to 3,000 gpd shall meet the following conditions:
- (1) have an RWTS or PIA Approval;
 - (2) be designed to comply with the effluent standard specified in the OP and defined in Table XXV prior to effluent dispersal to the soil;
 - (3) comply with the siting and sizing requirements of this Section; and
 - (4) comply with Rules .1302(f) and .1710 of this Subchapter.

TABLE XXV. Effluent standards for advanced pretreatment systems

Constituent	Effluent Standards		
	NSF/ANSI 40	TS-I	TS-II
CBOD	≤ 25 mg/L	≤ 15 mg/L	≤ 10 mg/L
TSS	≤ 30 mg/L	≤ 15 mg/L	≤ 10 mg/L
NH ₃		≤ 10 mg/L or 80% removal of NH ₃ if influent TKN exceeds 50 mg/L	≤ 10 mg/L
TN			≤ 20 mg/L
Fecal Coliform		≤ 10,000 colonies/100 mL	≤ 1,000 colonies/100 mL

(b) The effluent applied to advanced pretreatment systems shall not exceed DSE as specified in Table III of Rule .0402(a) of this Subchapter, unless the system is designed to treat HSE and approved by the Department on a product or project-specific basis in accordance with the rules of this Subchapter and engineering practices.

(c) The effluent standards in Table XXV, or modifications to these effluent standards, may be proposed by a PE for systems with a design flow greater than 3,000 gpd or IPWW. The Department shall review and approve the proposed effluent standards in accordance with Rule .0302(e) of this Subchapter. Documentation shall also be provided that the proposed system meets the requirements of Rule .0510(e) of this Subchapter.

History Note: Authority G.S. 130A-334; 130A-335; 130A-342; 130A-343;
Eff. January 1, 2024.