

# Exhibit J.5

## SECTION .0300 - EFFLUENT STANDARDS

### 15A NCAC 02U .0301 RECLAIMED WATER EFFLUENT STANDARDS

(a) Reclaimed water treatment processes classified as Type 2 by the rules in this Subchapter shall produce a tertiary quality effluent (filtered or equivalent) prior to storage, distribution, or utilization that meets the parameter limits listed below:

- (1) monthly average BOD<sub>5</sub> of less than or equal to 5 mg/l and a daily maximum BOD<sub>5</sub> of less than or equal to 10 mg/l;
- (2) monthly average TSS of less than or equal to 5 mg/l and a daily maximum TSS of less than or equal to 10 mg/l;
- (3) monthly average NH<sub>3</sub> of less than or equal to 1 mg/l and a daily maximum NH<sub>3</sub> of less than or equal to 2 mg/l;
- (4) monthly geometric mean Escherichia coli (E. coli) or fecal coliform level of less than or equal to 3/100 ml and a daily maximum E. coli or fecal coliform level of less than or equal to 25/100 ml;
- (5) monthly geometric mean Coliphage level of less than or equal to 5/100 ml and a daily maximum Coliphage level of less than or equal to 25/100 ml;
- (6) monthly geometric mean Clostridium perfringens level of less than or equal to 5/100 ml and a daily maximum Clostridium perfringens level of less than or equal to 25/100 ml; and
- (7) maximum Turbidity of 5 Nephelometric Turbidity Units (NTUs).

(b) Reclaimed water treatment processes classified as Type 1 by the rules in this Subchapter shall produce a tertiary quality effluent (filtered or equivalent) prior to storage, distribution, or utilization that meets the parameter limits listed below:

- (1) monthly average BOD<sub>5</sub> of less than or equal to 10 mg/l and a daily maximum BOD<sub>5</sub> of less than or equal to 15 mg/l;
- (2) monthly average TSS of less than or equal to 5 mg/l and a daily maximum TSS of less than or equal to 10 mg/l;
- (3) monthly average NH<sub>3</sub> of less than or equal to 4 mg/l and a daily maximum NH<sub>3</sub> of less than or equal to 6 mg/l;
- (4) monthly geometric mean E. coli or fecal coliform level of less than or equal to 14/100 ml and a daily maximum E. coli or fecal coliform level of less than or equal to 25/100 ml; and
- (5) maximum Turbidity of 10 NTUs.

(c) Reclaimed water produced by industrial facilities are not required to meet the criteria in this Rule if the reclaimed water is used at the facility in an industrial process and the area of use has no public access and does not result in employee exposure.

*History Note: Authority G.S. 143-215.1; 143-215.3(a.);  
Eff. June 18, 2011.*