

WAC 173-219-330 Performance standards. Reclaimed water performance standards. All Class A and Class B reclaimed water at a minimum must meet the technology-based performance standards listed in Table 1 and Table 2 for the class of reclaimed water generated at the facility. Compliance shall generally be measured at the end of treatment, however, the reclaimed water permit may specify alternative monitoring locations and water quality limits to ensure compliance with performance standards, and any additional use based requirements as listed in Table 3.

Table 1: Minimum Biological Oxidation Performance Standards

Biological Oxidation		
Parameter¹	Minimum Biological Oxidation Performance Standard	
<i>Dissolved Oxygen</i>	Must be measurably present	
<i>BOD₅</i>	Monthly Average	Weekly Average
	30 mg/L	45 mg/L
<i>CBOD₅</i>	25mg/L	40 mg/L
<i>TSS</i>	30 mg/L	45 mg/L
<i>pH</i>	Minimum	Maximum
	6 s.u.	9 s.u.
<i>pH</i> (Groundwater recharge)	6.5 s.u.	8.5 s.u.

¹ The parameter must be measured at the end of the unit process or alternative monitoring location as set in a reclaimed water permit.

Table 2: Class A and B Performance Standards

Coagulation/Filtration				
Parameter¹	Class A Reclaimed Water		Class B Reclaimed Water	
<i>Turbidity²</i>	Monthly Average	Sample Maximum	Monthly Average	Sample Maximum
	2 NTU	5 NTU	Not Applicable	Not Applicable
Membrane Filtration				
<i>Turbidity²</i>	Class A Reclaimed Water		Class B Reclaimed Water	
	Monthly Average	Sample Maximum	Monthly Average	Sample Maximum
	0.2 NTU	0.5 NTU	Not Applicable	Not Applicable
Disinfection				
<i>Total Coliform</i>	Class A Reclaimed Water		Class B Reclaimed Water	
	7-Day Median	Sample Maximum	7-Day Median	Sample Maximum
	2.2 MPN/100 mL or CFU/100 mL	23 MPN/mL or CFU/mL	23 MPN/mL or CFU/mL	240 MPN/mL or CFU/mL
<i>Virus Removal</i>	See disinfection process standards in WAC 173-219-340		Not Applicable	Not Applicable
Denitrification³				
<i>Total Nitrogen</i>	Class A Reclaimed Water		Class B Reclaimed Water	
	Monthly Average	Weekly Average	Monthly Average	Weekly Average
	10 mg/L	15 mg/L	Not Applicable	Not Applicable

¹ The parameter must be measured at the end of the unit process or alternative monitoring location as set in a reclaimed water permit.

² Sample maximum for turbidity is the highest value for the day that lasts longer than five minutes.

³ Not applicable for beneficial uses 1-13 listed on Table 3: Use-Based Requirements.

[Statutory Authority: RCW 90.46.015. WSR 18-03-166 (Order 06-12), § 173-219-330, filed 1/23/18, effective 2/23/18.]