

## APPENDIX A. TESTING FREQUENCY AND LIMITS FOR WATER REUSE SYSTEMS [NEW]

Category	Testing Frequency	Limits	MORs
1	Reserved	Reserved	Reserved
2	<u>Turbidity:</u> Continuous	Turbidity shall not exceed the following: <ul style="list-style-type: none"> <li>• Daily average 2 NTU<sup>1</sup></li> <li>• 5 NTU &gt;5% of the daily maximum per month<sup>2</sup></li> <li>• 10 NTU at any time</li> </ul>	Supplier Submit MORs to DEQ
	<u>Chlorine disinfection at POE:</u> Continuous	(1) Free available chlorine residual shall always be $\geq 1.0$ ppm at POE to distribution system and following any subsequent storage or treatment <b>OR</b> The chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall be at a level to prevent growth of slime and regrowth of pathogens in the distribution and storage systems as determined by an approved chlorine decay rate model pursuant to OAC 252:656-3-4 (b)(7)(C) <b>AND</b>	
	<u>Chlorine disinfection at end-of-pipe:</u> Daily	(2) Free available chlorine residual at the end-of-pipe shall always be $\geq 0.20$ mg/l <b>OR</b> Combined chlorine residual at the end-of-pipe shall always be $\geq 0.50$ mg/l	
	<u>Fecal Coliform:</u> Daily	Fecal Coliform: No detectable fecal coliform organisms in four of the last seven daily samples, single sample maximum $\leq 23$ cfu/100 ml	
	<u>Nitrogen/Phosphorous:</u> Monthly	$\leq$ most stringent agronomic rate	
	<u>CBOD5:</u> Weekly	$< 5.0$ mg/l	
3	<u>Chlorine disinfection:</u> Every 12 hours	Free available chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be $\geq 0.20$ ppm <b>OR</b> Combined chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be $\geq 0.50$ mg/l	Supplier Maintain MORs On Site
	<u>Fecal coliform:</u> 3 per week	<ul style="list-style-type: none"> <li>• Monthly geometric mean of <math>&lt; 200</math> cfu/100 ml</li> <li>• Single sample maximum <math>&lt; 400</math> cfu/100 ml</li> </ul>	
	<u>Nitrogen/Phosphorous:</u> Monthly	$\leq$ most stringent agronomic rate	
	<u>BOD5 or CBOD5:</u> Weekly	$< 20$ mg/l	
4	<u>Fecal coliform:</u> Weekly	<ul style="list-style-type: none"> <li>• Monthly geometric mean of <math>&lt; 200</math> cfu/100 ml</li> <li>• Single sample maximum <math>&lt; 800</math> cfu/100 ml</li> </ul>	Supplier Submit MORs to DEQ
	<u>Chlorine disinfection:</u> Daily	Free available chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be $\geq 0.20$ ppm <b>OR</b> Combined chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be $\geq 0.50$ mg/l	
	<u>Dissolved oxygen:</u> Weekly	$> 2.0$ mg/l	
5	None	None	Supplier Maintain MORs On Site

<sup>1</sup> The daily mean operating filter effluent turbidity (continuously monitored) is calculated as the average of turbidity measures at  $\leq 1.2$  hour intervals over 24 hours, and must be reported monthly.

<sup>2</sup> The maximum 24 hour turbidity must be based on highest measure from continuous monitoring taken at  $\leq 1.2$  hour intervals over 24 hours.