

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"> • Daily average 2 NTU¹ • 5 NTU >5% of the daily maximum per month² • 10 NTU at any time 	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) OR The chlorine residual at the POE 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) AND	
	<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 OR 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 shall always be \geq 0.20 ppm OR Combined chlorine residual at the POE shall always be \geq 0.50 mg/l	Maintain MORs On-Site
	<u>Fecal coliform:</u> 3 per week	<ul style="list-style-type: none"> • Monthly geometric mean of < 200 coli/100 ml • Single sample maximum < 400 coli/100 ml 	
	<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"> • Monthly geometric mean of < 200 coli/100 ml • Single sample maximum < 800 coli/100 ml 	Submit MORs to DEQ
	<u>Chlorine disinfection:</u> Daily	Free available chlorine residual at the POE shall always be \geq 0.20 ppm OR Combined chlorine residual at the POE shall always be \geq 0.50 mg/l	
	<u>Dissolved oxygen:</u> Weekly	>2.0 mg/l	
5	None	None	Maintain MORs On-Site

¹ 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.

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