

APPENDIX A. TESTING FREQUENCY AND LIMITS FOR WATER REUSE SYSTEMS

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 	Supplier Submit MORs to DEQ
	<u>Chlorine disinfection at POE:</u> Continuous	(1) Free available chlorine residual shall always be = 1.0 ppm at POE to distribution system and following any subsequent storage or treatment OR 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) AND (2) Free available chlorine residual at the end-of-pipe shall always be = 0.20 mg/l OR Combined chlorine residual at the end-of-pipe shall always be = 0.50 mg/l	
	<u>Chlorine disinfection at end-of-pipe:</u> Daily		
	<u>Fecal Coliform:</u> Daily	Fecal Coliform: No detectable fecal coliform organisms in four of the last seven daily samples, single sample maximum = 23 cfu/100 ml	
	<u>Nitrogen Phosphorous:</u> Monthly	= most stringent agronomic rate	
	<u>CBOD₅:</u> Weekly	< 5.0 mg/l	
3	Chlorine disinfection: Every 12 hours	Free available chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be = 0.20 ppm OR Combined chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be = 0.50 mg/l	Supplier Maintain MORs On Site
	Fecal coliform 3 per week	<ul style="list-style-type: none"> • Monthly geometric mean of < 200 cfu/100 ml • Single sample maximum < 400 cfu/100 ml 	
	<u>Nitrogen Phosphorous:</u> Monthly	= 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 cfu/100 ml • Single sample maximum < 800 cfu/100 ml 	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 = 0.20 ppm OR Combined chlorine residual at the POE to the distribution system and following any subsequent storage or treatment shall always be = 0.50 mg/l	
	Dissolved oxygen: Weekly	>2.0 mg/l	
5	None		Supplier Maintain MORs On Site

¹ The daily mean operating filter effluent turbidity (continuously monitored) is calculated as the average of turbidity measures at ≤ 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 ≤ 1.2 hour intervals over 24 hours.

