draft: 10/18/23

Critical Control Point	Health Risk	Control Measure	Validation checks the control measure is being performed	Verification checks the control measure is effective	Corrective Actions	7-day Sample Analysis Corrective Action Verification	Additional Follow-up Sample Analysis Corrective Action Verification
	Sediment, biofilm, temperature, water age, and disinfectant residual effect Legionella survival, growth, and amplification     Inhalation of aerosolized water by shower user is probable as use/duration of faucet is likely to create water mist/steam which could then be inhaled by user	• Hot water shall be maintained at the exit point at 120°F (49°C).      • Recirculate stored hot water at temperatures above 140°F (60°C); ensure hot water in circulation does not fall below 120°F (49°C).      • Flush each shower head for 5 minutes each week to provide a fresh supply of chlorinate water ≥ 0.18 ppm through the shower head  Disinfect shower heads and hoses monthly by:      • Mix 5 teaspoons of bleach to 5 gallons of water in a container. Disinfection solution shall not be more than 24 hours old as time decreases its disinfection effectiveness.      • Remove shower head/hose and soak it in the disinfection solution for 1 hour. All parts shall be submerged in the disinfection solution.      • Remove shower head/hose and rinse thoroughly for 5 minutes with cold water      • Re-install disinfected shower head/hose with hot water for 5 minutes	measure is being	checks the control measure is	COR to determine appropriate actions if records are not documented. When monthly measurement is not performed, immediate disinfect shower head/hose:  • Mix 5 teaspoons of bleach to 5 gallons of water in a container. Disinfection solution shall not be more than 24 hours old as time decreases its disinfection effectiveness.  • Remove shower head/hose and submerge/soak it in the disinfection solution for 1 hour.  • Remove shower head/hose and rinse thoroughly for 5 minutes with cold water  • Re-install disinfected shower head/hose  • Flush shower head/hose with hot water for 5 minutes  ¹ Remove and place in a 5-gallon bucket containing 5 tsp bleach and 5 gallons of water (solution shall be less than 24 hours old); submerge/soak for 1 hour; rinse for 5 minutes with cold water  ² No flushing occurs on weekends. Sample time frame represents typical water quality for users  • <0.9 CFU/mL For reduction or no amplification, resume normal operations. For increased or amplified, disinfect¹ all shower heads/hoses; flush 3 times/week for 10 minutes w/residual chlorine >0.18 ppm (contact FMSP) if <0.18); Sample water from shower head with detection at exit point with filtered removed after 7 days on a Monday² - reinstall filtered shower head, maintain above flushing, and await analytical results for further actions.  • 0-9.9 CFU/mL send EHSF Notification; Disinfect¹ all shower heads/hoses; disinfect¹ and install POU filter <0.2-microns pore size, ASTM F383 certified shower head; flush with filter removed 3 times/week for 15 minutes w/residual chlorine >1.8 ppm (contact FMSP) if <1.8); After 7 days and on Monday² remove filter and sample water from shower head with detection at exit point; reinstall filter, maintain above flushing, and await analytical results for further actions.  • >10.0 CFU/mL send EHSF Notification; Disinfect¹ all shower heads/hoses; disinfect¹ and install POU < 0.2-microns pore size, ASTM F383 certified shower; flush with filter removed 3 times/week for 30 minutes w/residual chlorine >0.18 ppm (contact F	Temove and place in a 5-gallon bucket containing 5 tsp bleach and 5 gallons of water(solution shall be less than 24 hours old); submerge/soak for 1 hour; rinse for 5 minutes with cold water  No flushing occurs on weekends. Sample time frame represents typical water quality for users  Solution or no amplification, Por increased or amplified, disinfect¹ all shower heads/hoses; flush 3 times/week for 10 minutes w/residual chlorine >0.18 ppm (contact FMSP if <0.18); After 30 days and on a Monday² sample shower head with detection at water exit point with filtered; reinstall filter, maintain above flushing, and await analytical results for further actions.  O-9.9 CFU/mL send EHSF Notification; Disinfect¹ all shower heads/hoses; install POU filter <0.2-microns pore size, ASTM F383 certified shower head; flush with filtered shower head removed 3 times/week for 15 minutes w/residual chlorine >1.8 ppm (contact FMSP if <1.8); After 7 days and on Monday² remove filter and sample water from shower head with detection at exit point; reinstall filter, maintain above flushing, and await analytical results for further actions.  ≥10.0 CFU/mL send EHSF Notification; Disinfect¹ all shower heads/hoses; disinfect¹ and install POU <0.2-microns pore size, ASTM F383 certified shower; flush with filtered shower head removed 3 times/week for 30 minutes w/residual chlorine >0.18 ppm (contact FMSP if <0.18); After 7 days and on Monday² remove filter and sample water from shower head temoved 3 times/week for 30 minutes w/residual chlorine >0.18 ppm (contact FMSP if <0.18); After 7 days and on Monday² remove filter and sample water from shower head with detection at exit point; reinstall filter, maintain above flushing, and await analytical results for further actions.	
							contact FMSP for further actions including follow up sample schedules.