

Item 31

Process for controlling microorganisms in cooling tower.

Summer Station adds a bromine compound to the open side of the cooling tower during normal operations. Bromine is an anti- microbial compound. Bromine reacts with ammonia to form bromamines, which are more effective anti-microbials than chloramines. Bromine has a shorter life expectancy (due to lower bond strength), which lowers the oxidizer residuals in the discharge and reduces the need to de-chlorinate when adding chlorine. The use of the bromine compound should eliminate microorganisms that would be a problem from a human health standpoint.