**2017 FBC – Original text**

**454.1.9.8.6.3** In lieu of Section 454.1.9.8.6.1, the recirculation system must be designed to continuously return 100 percent of the water to the collector tank after all (100 percent) of the water is first filtered, treated with disinfectant and pH adjustment chemicals, and the final treatment provided by a validated UV disinfectant unit described in Section 454.1.6.5.16.6 before any of this treated water is piped to the water features.

**Changes to Section 454.1.9.3 as approved by the Commission**

**454.1.9.8.6.3**

In lieu of Section 454.1.9.8.6.1, the recirculation system must be designed to continuously return 100 percent of the water to the collector tank after all (100 percent) of the water is first filtered, treated with a validated UV disinfectant unit described in Section 454.1.6.5.16.6, with final treatment provided by disinfectant and pH adjustment chemicals~~, and the final treatment provided by a validated UV disinfectant unit described in Section 454.1.6.5.16.6~~ before any of this treated water is piped to the water features.

(SW7929)

**454.1.9.8.6.3**

In lieu of Section 454.1.9.8.6.1, the recirculation system must be designed to continuously return 100 percent of the water to the collector tank after all (100 percent) of the water is first filtered, treated with disinfectant and pH adjustment chemicals, and ~~the final treatment provided by~~ a validated UV disinfectant unit described in Section 454.1.6.5.16.6~~before any of this treated water is piped to the water features~~.  In this scenario, the feature pumps do not need their own filter or disinfection, but they must be interlocked such that they do not operate unless the filter pump, chemical, and UV systems are all working properly.

(SW7819 /SW7855)

**Proposed change using the original text of the 2017 FBC – comment**

454.1.9.8.6.3

In lieu of Section 454.1.9.8.6.1, the recirculation system must be designed to continuously return 100 percent of the water to the collector tank after all (100 percent) of the water is first filtered and treated with disinfectant and pH adjustment chemicals~~, and~~ ; the final treatment shall be provided by a validated UV disinfectant unit described in Section 454.1.6.5.16.6, on each feature pump, before any of this treated water is piped to the water features.(Note: UV flow capacity must meet the feature pump(s) flow capacity).