

AMADOR WATER AGENCY AND MACE MEADOW GOLF AND COUNTRY CLUB, INC., BUCKHORN WATER TREATMENT PLANT AND REUSE SITE, AMADOR COUNTY

The Amador Water Agency owns and operates the Buckhorn water treatment plant (WTP) and a backwash wastewater conveyance line. Wastewater generated during filter backwash will be reused via irrigation on the Mace Meadow Golf Course, which is owned and operated by Mace Meadow Golf and Country Club, Inc. The WTP consists of a membrane micro-filtration system. Monthly, or as needed, the membranes will be cleaned by a two-step clean-in-place process that will include caustic/chlorine and citric acid. Clean-in-place waste will not be part of the wastewater conveyed to the golf course and will be disposed of at a landfill. Additional and more frequent membrane cleaning will be accomplished by backwashing membranes up to two to three times per hour. This backwash water will be conveyed to the golf course, stored in two storage ponds, and reused for irrigation of the golf course. The two storage ponds have sufficient winter storage capacity based on average rainfall conditions; however, they do not have sufficient winter storage capacity based on 100 year rainfall conditions. This Order provides a timeline for the Discharger to construct additional winter storage capacity. Surface water drainage is to Pioneer Creek, a tributary to Sutter Creek, which is in turn tributary to Dry Creek, and then the Calaveras River. (JSK)