

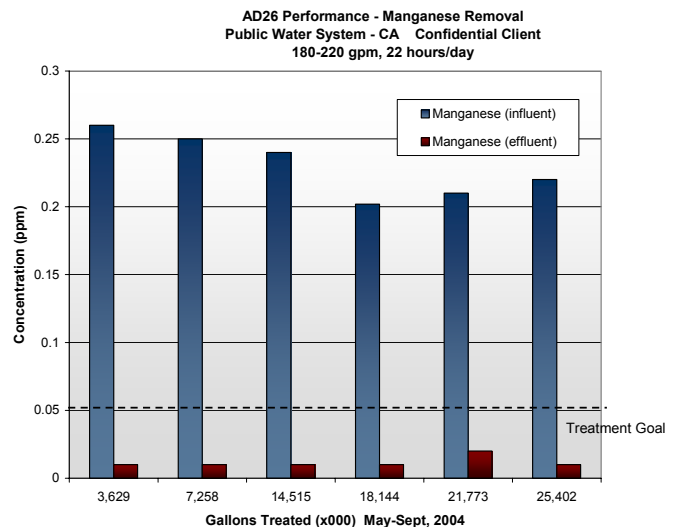
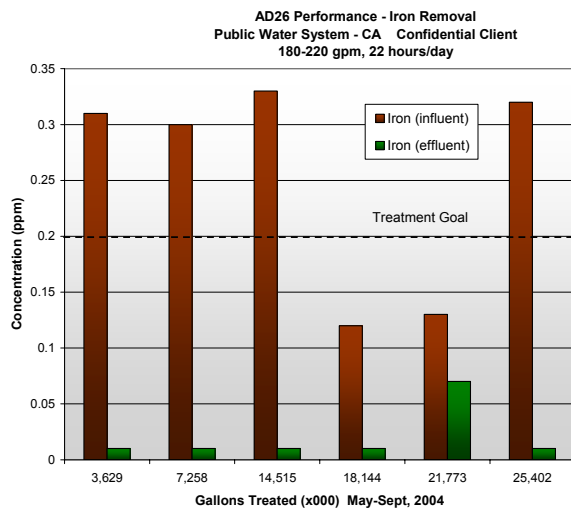
Project Profile



AD26 System Performance – Iron / Manganese Confidential Client - California

Background

In the early 2004, AdEdge was engaged by Pacific Advanced Civil Engineers (PACE) to devise a treatment alternative for manganese and iron removal for a public water system in southern California. This high demand water supply well was yielding between 180 to 220 gpm. The needs were imminent as the currently designed system was not achieving compliance with the Safe Drinking Water Act secondary MCLs for iron and manganese. AdEdge proposed the retrofit of the current treatment system to include its AD26 Catalytic Oxidation/Filtration media. Below shows the first few months of results since the system was modified.



System Description and Performance

The system consisting of three pressure vessels in parallel was retrofit in March, 2004 with AD26 media to accommodate a design flow of 180 gpm. A low dose of sodium hypochlorite was added prior to the AD26 system to increase the rate of oxidation of iron and manganese. Since startup, the filters have been operating near or above the design flow continuously for approximately 22 hours per day continuously. Results gathered over the first seven months indicate both iron and manganese are being consistently removed to well below the desired treatment standards. The vessels are backwashed twice a week in series to maintain high removal efficiencies. As a result of the success of this project, AdEdge was awarded an additional packaged system by PACE to serve a new 250 gpm community water system in Northern California designed for iron, manganese, and arsenic.

For More Information Contact

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