

Final Project Completion Report

Project Name and Number: **SWGWTP Air Tower Improvements, #3973**

Description: JWCD has operated the Southwest Groundwater Treatment Plant decarbonation air tower since 2012. The purpose of the decarbonator is to release excessive carbon dioxide in the reverse osmosis permeate to reduce acidity without the use of chemicals. The purpose of this project is to increase the efficiency of the system by installing new air distribution vanes, inlet filters, water distributor, and a demister assembly.

District Project Manager: David McLean/Conor Tyson

Engineer:	Heath Engineering	Design Status: 100%
Original Engineering Contract Amount:		\$5,800
Final Engineering Contract Amount:		\$14,100

Contractor:	Corrio Construction	Construction Status: 100%
Original construction contract amount:		\$232,831
Total Change Order amount:		\$2,110
Final construction contract amount:		\$234,941
Total change orders as a percentage of original contract:		0.9%
Completion Schedule:		
Notice to Proceed:		2/18/2021
Final Completion:		9/13/2021

Summary of Change Orders:		
	Description	Amount
1	New access, filter box and hood repairs, and fiberglass modifications.	\$1,267
2	New control wires	\$843
	Total Change Order Amount:	\$2,110

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Tri-pack media balls being removed from air tower for construction inside



New troughs to evenly divide water flow in the air tower



Water flow in improved air tower, showing good distribution of flow



New sidewalk installed outside air tower building



New hood installed on top of air tower



New VFD for air blower