

Final Project Completion Report

Project Name and Number: **SERWTP Bridging Polymer System Improvements, #4284**

Description: Bridging polymer is used at the SERWTP to help bind particles in the water to improve particle removal during the sedimentation process. The old bridging polymer system was aging, required frequent maintenance, and replacement parts were difficult to obtain. In addition, the system was undersized and lacked redundancy. This project replaced the aging polymer system with a new system which provides redundancy and is sized appropriately to accommodate the plant's needs.

District Project Manager: **Conor Tyson**

Engineer: AE2S	Design Status: 100%
Original Engineering Contract Amount:	\$49,242
Final Engineering Contract Amount:	\$86,350

Contractor:	Construction Status: 100%
Original construction contract amount:	\$737,043
Total Change Order amount:	\$8,907
Final construction contract amount:	\$745,950
Total change orders as a percentage of original contract:	1.2%
Completion Schedule:	
Notice to Proceed:	7/17/2023
Final Completion:	7/28/2025

Summary of Change Orders:	
Description	Amount
1 Separate effluent lines for both polymer tanks	\$4,291
2 Add PRV to influent Line	\$1,830
3 Additional programming to system	\$4,812
4 Reimbursement for tank sensors	-\$2,026
Total Change Order Amount:	\$8,907

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Original Polymer Bulk Tanks



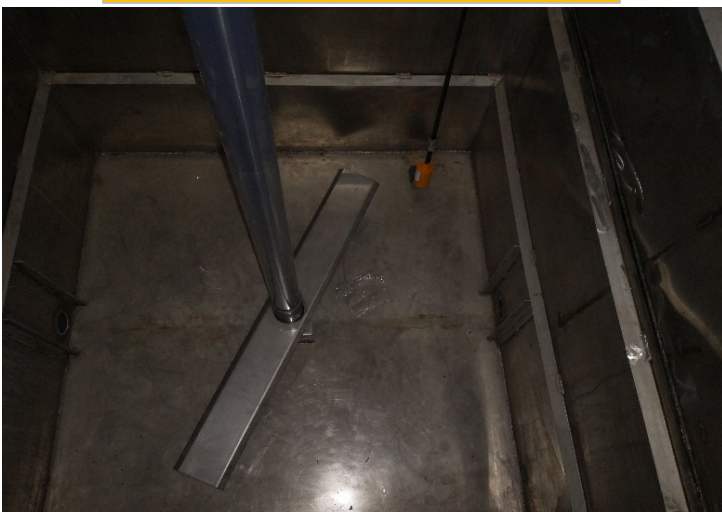
Forming Concrete Pads for New System



Installing New Bulk Tanks



New Bulk Tanks and Control Panel



Inside of new bulk tank with mixer and sensor



Completed New Polymer System