

Saline Water Treatment Plant - Equipment Status Report



Report Updated 12/17/2021

Equipment/Process/Resource	Status	Timeline
High Service Pumps	Green	8 to 18 months
Comments: Green - Engineering review of third High Service Pump complete and bid document prepared.		
Reverse Osmosis	Yellow	Ongoing
Comments: Green - Sixty (60) RO unit membranes replaced spring 2021; additional replacements planned FY23 as part of regular maintenance. Currently analyzing performance and effectiveness. Yellow - Replacing pressure switches on both units.		
Electrical/Communications	Yellow	4 to 12 months
Comments: Green - One Variable Frequency Drive replaced spring 2021; second VFD and filters to be bid as part of HSP installation project. Yellow - Upgrading communication equipment/SCADA integration.		

Status Key

Red Not operating to design standards; significant improvement/repairs needed

Yellow Operating, but not to optimal standards; issue has been identified and/or plan is in place

Green Operating as designed

Equipment/Process/Resource	Status	Timeline
Building Maintenance	Yellow	4 to 12 months
Comments: Yellow - Facility condition assessment and capital planning complete. Seeking quotes for repair work. Yellow - Chemical room maintenance/housekeeping items identified.		
Iron/Manganese Removal	Green	9 to 12 months
Comments: Green - Woody overgrowth removed from infiltration basins; additional iron removal efforts being rebid; currently on schedule. Green - Greensand media filter replacement to be bid (per FY22 Capital Improvement Plan), currently on schedule.		
Water Quality	Green	Ongoing
Comments: Prior month average daily hardness: October 127 mg/l ; September: 134 mg/l <i>Winter Hardness Target: 110 to 120 mg/l</i> <i>Summer Hardness Target: less than 160 mg/l</i> Prior month average daily volume: October: 1.089 MGD ; September: 1.242 MGD Last hydrant flush: October 2021 (city wide); December 2021 (dead-ends) Next planned flush: May 2022 (city wide); January (dead-ends) Annual Water Quality Report: https://tinyurl.com/fdc5azvj		
Additional Comments:		

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Green: Operating as designed