

PROJECT STATUS UPDATE - APRIL 2022
POST FALLS WATER RECLAMATION FACILITY (WRF)
TERTIARY TREATMENT IMPROVEMENTS

PROJECT OVERVIEW

The Post Falls Water Reclamation Facility (WRF) is undergoing a capacity expansion coupled with technological improvements to improve the water quality that is produced. The project includes an upgrade to the City's WRF to address environmental regulations improving the treatment process to remove phosphorous and oxygen demanding materials from the reclaimed water, which will maintain compliance with the City's IPDES permit, before returning it to the Spokane River. The project will also set the City up with advanced filtration and disinfection facilities to generate a "Class A" effluent for irrigation use on their urban forest property in the future.



WRF Tertiary Treatment Improvements expansion area (looking north-west to Seltice Way)

WHAT WE'VE DONE

The construction components that are complete include the majority of the below grade site electrical vaults and duct banks, and buried mechanical process piping. The major concrete work for the new Membrane Filtration Building, Tertiary Plate Settler, and Ultraviolet Disinfection is complete. The Contractor has also begun installing equipment, including tank mixers and gates, in the Oxidation Ditch 6 process tanks.

WHAT WE'RE DOING

One major component of the project that is underway is the masonry walls at the Membrane Filtration Building. Additionally, interior electrical work is occurring in the existing Utility Building #2. Major equipment deliveries continue to arrive onsite including fiberglass tanks, electrical control panels, and pumps for multiple process areas.



Ultraviolet Disinfection and Tertiary Plate Settler (4/1/22)

WHAT WE'RE GOING TO DO



Membrane Filtration Building (4/25/22)

Spring and Summer construction is expected to consist of masonry work for the Tertiary Clarifier and Ultraviolet Disinfection areas. Roofing, interior piping, and equipment installation will follow the masonry work. Interior electrical work will increase as equipment deliveries, installation, and start up escalate.

The next goal for the project is to finalize equipment and electrical installation in order to start up Oxidation Ditch 6, which would allow the Contractor to take Oxidation Ditch 5 offline so that a new pump may be installed.