

**PROJECT STATUS UPDATE - NOVEMBER 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 by 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 south-west to I-90)



## WHAT WE'VE DONE

The pan decking for the roof has been installed on the Membrane Filtration and Ultraviolet Disinfection Buildings. The Contractor has also installed process equipment in Oxidation Ditch 6, the Utility Water Building, Tertiary Plate Settler, Secondary Clarifier and the Utility Building #2. Oxidation Ditch 6 has been started up and is treating wastewater. The majority of the masonry work is complete. The drywells and catch basins have been installed for site drainage. The coatings systems in process tanks are mostly complete, with testing and touch-ups remaining.

## WHAT WE'RE DOING

Initial startup of the Secondary Clarifier and Oxidation Ditch 5 retrofit are underway. Installation of equipment in multiple areas is ongoing. Structural steel components are being installed at the Membrane Filtration and Ultraviolet Disinfection Buildings. Cleaning and minor touchups for masonry is ongoing at all buildings.



Membrane Filtration, Tertiary Plate Settler,  
and Ultraviolet Disinfection Buildings (10/27/22)

## WHAT WE'RE GOING TO DO



New Secondary Clarifier, Oxidation Ditch 6 Expansion,  
and Tertiary Plate Settler Building (10/27/22)

Work to get the Membrane Filtration Building weatherproof is a priority to ensure the building is ready for delivery of the six membrane skids.

Commissioning of the various processes will be staged to facilitate construction in existing portions of the WRF.