

**PROJECT STATUS UPDATE - JULY 2023**  
**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

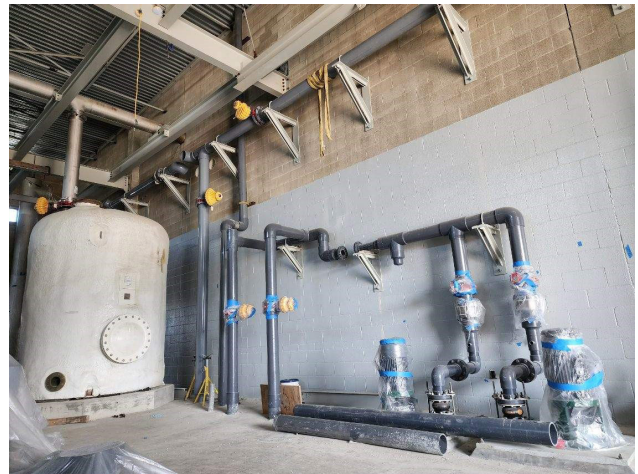
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Roofing has progressed and masonry has been completed at all new buildings. Installation of the Secondary Clarifier equipment has been completed and is awaiting testing. The Contractor has continued installation of process equipment in the Membrane Filtration, Tertiary Plate Settler, and Ultraviolet Disinfection Buildings. Interior process piping installation has also begun at the Membrane Filtration Building.

## WHAT WE'RE DOING

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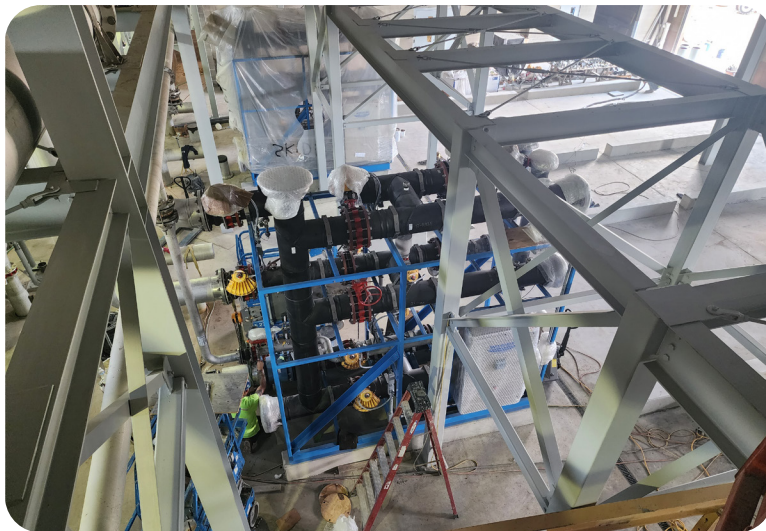
Installation of the potable water line extension is underway. Installation of process equipment and piping in multiple areas is ongoing. Cleaning and painting of structural steel components, electrical and plumbing rough-in, as well as completion of the roofing, is ongoing at all new buildings onsite.



Chemical neutralization piping installation in the Membrane Filtration Building (6/26/23)

## WHAT WE'RE GOING TO DO

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Membrane Filtration valve nest installation (6/29/23)

Equipment, piping, and electrical installation will continue at the Tertiary Clarification, Membrane Filtration, and UV Disinfection Buildings. Testing will be completed at the Oxidation Ditch 3 Conversion in the coming weeks. The effluent piping for the new clarifier will be connected to the existing facility allowing testing to be performed and the system brought online.

With the final underground pipeline connections being installed mid-summer, final site grading, and paving is expected to occur in early fall.

Tertiary treatment processes including the tertiary clarification, membrane filtration and ultraviolet disinfection system will begin testing in early fall, with processes sequentially brought online for operator training and full scale commissioning.