

**PROJECT STATUS UPDATE - NOVEMBER 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.



View from the Roof of the Membrane Filtration Building (looking southwest)

## WHAT WE'VE DONE

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Installation of the potable water line extension was completed and roofing has progressed at each new building. The Contractor has continued installation of process equipment with major components such as the membrane filter skids and generators being set into place. Installation of process piping has continued at the Membrane Filtration Building and installation of major electrical components is underway at each new building. Conversion of Oxidation Ditch 3 has been completed. Paving has also been finished for the site.

## WHAT WE'RE DOING

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Installation of process piping and equipment in the Membrane Filtration Building is ongoing. Installation of equipment at the UV Disinfection Building as well as instrumentation at the Tertiary Clarification Building is also underway. Touch-up painting and electrical rough-in, as well as final plumbing, HVAC installation, and completion of the roofing is underway at each building.



Membrane Filtration Skid Installation in the Membrane Filtration Building  
(10/20/2023)



Generator Delivery (11/16/2023)

## WHAT WE'RE GOING TO DO

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Initial start-up and testing of the new Secondary Clarifier and associated pump will be completed. Installation of equipment and electrical components will continue at the UV Building as preparations are made for initial start-up and testing of the new disinfection system.

Upon start-up of the new disinfection system, additional tertiary processes including the tertiary clarification and membrane filtration systems will begin testing with processes sequentially brought online for operation training and full-scale commissioning.