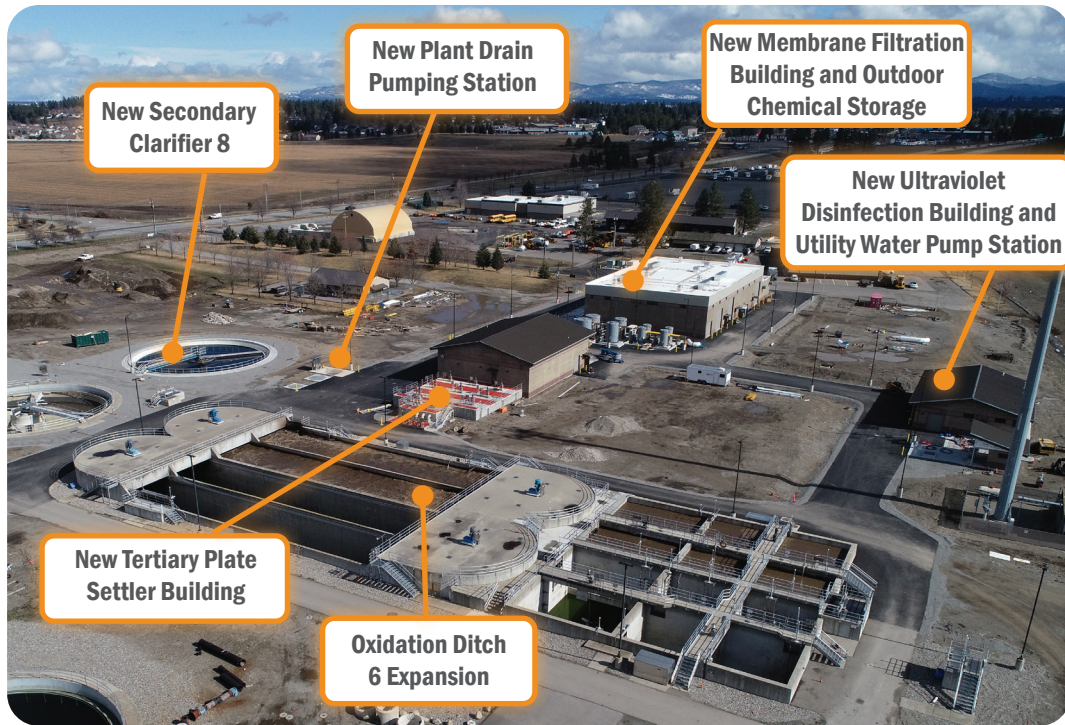


PROJECT STATUS UPDATE - MARCH 2024
POST FALLS WATER RECLAMATION FACILITY (WRF)
TERTIARY TREATMENT IMPROVEMENTS

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 north-east to Seltice Way)

WHAT WE'VE DONE

Roofing has progressed at each new building and is nearly complete. The Contractor has continued installation of process equipment with major components such as the UV light racks being set into the channels and the eight bulk chemical storage tanks have been placed at the outdoor containment area. The UV Disinfection channels and associated components have been cleaned and flushed in preparation for equipment start-up. Exterior FRP grating and handrail have been installed at the Tertiary Clarification Building. The new generators and power service have been installed, tested, and are providing permanent power to the site.

WHAT WE'RE DOING

Acceptance testing and controls tuning are underway for the new Secondary Clarifier and associated pump. Manufacturer equipment inspections and initial start-up and testing of the new UV Disinfection system and Utility Water Pump Station are currently in progress. Installation of instrumentation and controls programming at the Tertiary Clarification Building are ongoing in preparation for equipment start-up. Plumbing insulation, HVAC installation, and completion of roofing and siding are also ongoing at each building.



Outdoor Chemical Storage FRP tanks
and Catwalk Installation (03/01/2024)



High and Low pH Cleaning Pumps and Piping Installation
in the Membrane Filtration Building (02/28/2024)

WHAT WE'RE GOING TO DO

Installation of equipment, instrumentation, and electrical components will continue at the Tertiary Clarification Building as preparations are made for initial start-up and testing to begin following the UV Disinfection system.

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