

## PROJECT STATUS UPDATE • JANUARY 2021

### Post Falls Water Reclamation Facility (WRF) Tertiary Treatment Improvements

#### PROJECT OVERVIEW

The Post Falls Water Reclamation Facility (WRF) is undergoing a capacity expansion as well as technological improvements to enhance the water quality. The project includes an upgrade to the City's WRF to expand the facility to accommodate population growth and to drastically improve the treatment process by removing additional phosphorus and oxygen demanding materials from the reclaimed water before its discharge to the Spokane River. These advancements will allow the City to maintain compliance with its IPDES permit as well as 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 to the Spokane River and Interstate 90) (1/5/21)

## WHAT WE'VE DONE

The project design was completed in early 2020 by J-U-B Engineers, Inc. Contractors then submitted bids to construct the project. Sletten Construction of Great Falls, MT submitted the low bid at \$36.6 million and was awarded the construction contract in June 2020, with on-site construction starting in early September 2020.



**Secondary Clarifier No. 8 underslab piping and concrete foundation formwork (1/5/21)**

## WHAT WE'RE DOING

Current construction progress on the site has included mobilization, site clearing, and excavation for several of the major process tanks including a new Secondary Clarifier, a new Tertiary Plate Settler, as well as several deep excavations at the Membrane Filtration Pump Station and Plate Settler Sludge Pump Station. Initial concrete formwork and deep buried piping for these structures is advancing with product deliveries, additional formwork, and daily concrete pours.



**Replacement of WRF Outfall Pipe to Spokane River**

**Spokane River and WRF Outfall Pipeline Corridor (1/5/21)**

## WHAT WE'RE GOING TO DO

Construction over the winter months will include demolition at the existing Oxidation Ditch 3 to facilitate conversion of this basin to three separate anoxic cells to improve nitrogen reduction. Primary work at the site will include concrete pours at the Membrane Building, Secondary Clarifier, and Tertiary Clarifier facility as these are the deepest structures at the site.

In addition to work at the WRF Site, separately the City has begun soliciting subcontractor bids for replacement and modifications to their outfall pipe into the Spokane River. This project will be administered by the City's Construction Manager General Contractor (CMGC), McMillen-Jacobs Associates with construction occurring during low river flows, in late summer 2021.