

CITY OF RAPID CITY WATER RECLAMATION FACILITY SOUTH PLANT IMPROVEMENTS

DECEMBER 2025



The Rapid City Water Reclamation Facility (WRF) is currently undergoing major upgrades to create a more efficient, lower-maintenance, and highly reliable water reclamation system that will serve our community for years to come. This vital \$204.7 million project is fully funded through an SRF loan, the City's enterprise fund, and \$52.8 million in American Rescue Plan Act (ARPA) grant funding.

WINTER CONSTRUCTION ACTIVITIES

The major hydraulic structures and buildings at the WRF are now in place. This winter, construction activities at the plant will continue, focusing on the installation of electrical wiring and piping inside the buildings. Since these installations take place inside structures, they are sheltered from harsh winter conditions, ensuring quality construction outcomes regardless of the weather.

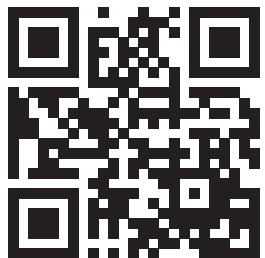
Construction of the South Electrical building is planned for January, weather permitting. Additionally, the contractor plans to continue installing interconnecting pipe between new buildings at the plant.

CHANGE ORDER

The existing walkways for the Primary Clarifiers are deteriorating due to their age and exposure to sewer gas over time. They will be replaced under the existing change order being presented to City Council on December 15, 2025, totaling \$327,720. These walkways are used to monitor and ensure proper operation of the Primary Clarifiers. Change orders like this are accounted for in the contingency budget, which was set aside during design to address issues such as this without exceeding the project budget.

VISIT OUR WEBSITE

for more information and progress updates regarding the Rapid City WRF project!



wrf.rcgov.org

October 2025: The concrete structure for the Secondary Clarifier Splitter Box is complete. This structure manages the flow of wastewater out of the Aeration Basins as it moves into the Secondary Clarifiers.



September 2025: The existing Primary Clarifiers mechanisms are removed. The Primary Clarifiers work to separate solids and fats from the liquids in wastewater.



WRF PROJECT PROGRESS*

CHANGE ORDERS \$547,268

CONSTRUCTION COMPLETED \$76,803,685



*As of November 2025

FUNDING PACKAGE

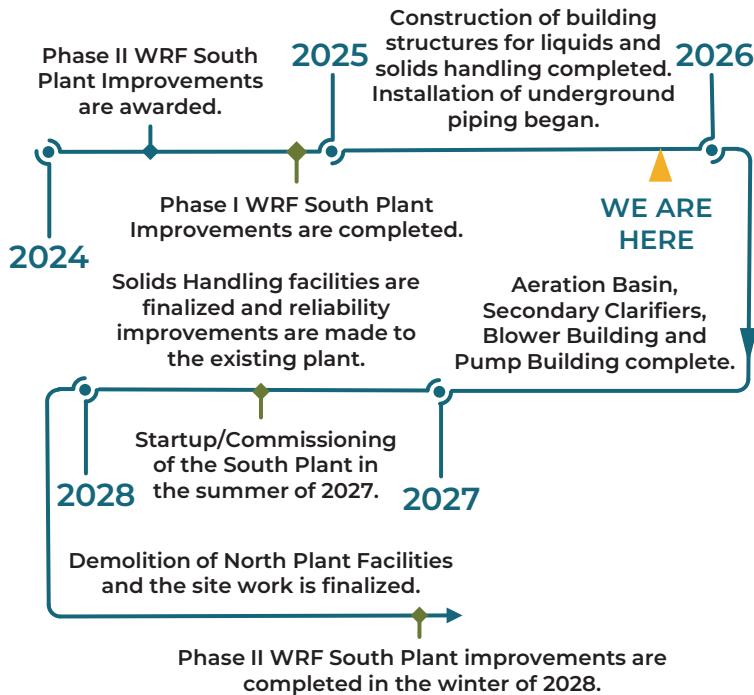
ENTERPRISE \$18,000,000

GRANT* \$52,800,000

LOAN \$136,500,000



PROJECT SCHEDULE



VISIT
wrf.rcgov.org/resources

to see past newsletters and
and City Council presentations!

DID YOU KNOW?

The **deepest tank** being installed as part of construction for the Rapid City Water Reclamation Facility South Plant Improvements Project is **32 feet deep**. That is as deep as a **three-story building** is tall!



PROJECT QUESTIONS?

Any project questions can be sent to **Public Works Director Michael Theis** at engineering.admin@rcgov.org

WRF CONSTRUCTION PROGRESS

Each pie chart represents the percentage of each structure that has been completed under construction. The blue portions of each pie chart are the percent completed per structure, while the orange specifies percent left to complete.

PERCENT OF TOTAL PROJECT COMPLETE 37%



Progress aerial as of October 2025

October 2025: The roof panels are placed on the Dewatering Building, which is scheduled for completion in 2026. The Dewatering Building separates the liquids and solids from wastewater. The solids are then sent to the landfill, and the liquids are utilized further in the treatment process.

