

RCWD's leadership and staff are committed to providing clean, reliable water and unwavering customer service.



RANDALL COMMUNITY WATER

CONNECTING NEIGHBORS

Platte Treatment Plant (SOURCE: TDG)

Progress Continues on RCWD Platte Water Treatment Plant Improvements

Randall Community Water District continues to move forward with the goal of providing clean, safe, and reliable drinking water for our customers and neighboring communities.

As part of the ongoing “Connecting Neighbors” project, we are adding “Building 3” and completing some simple remodel work to improve our Platte Water Treatment Plant. The primary purpose of the Building 3 addition is to expand our water treatment capacity and reliability. This expansion is crucial for meeting the growing demands of our community and ensuring we can continue to deliver high-quality water efficiently for years to come.

A water treatment plant is a complex system designed to transform raw water from sources like rivers, lakes, or groundwater into safe, potable drinking water. While water sourced from the Missouri River is one of the cleanest surface water sources in the state, there is a technical process that involves several key stages to prepare the water for consumer use. First, large debris like leaves and twigs are removed by screens. Then, special gentle chemicals are added to the water, which act like tiny magnets, causing microscopic dirt and impurities to clump together into larger, heavier “flocs.” These flocs then settle to the bottom of large tanks, leaving

Platte Treatment Plant (SOURCE: TDG)

the water much clearer. After that, the water flows through various filters, often made of sand, gravel, and charcoal, which act like giant sieves to catch any remaining tiny particles. Finally, and crucially, a disinfectant like chlorine is added to kill any lingering germs, ensuring that the water is completely safe before it travels through pipes directly to homes, farms, and businesses.

The 9,000 sf Building 3 addition will include an expanded lower-level clear well and dedicated maintenance area. Furthermore, it will feature interior “breezeway” connections at ground level, seamlessly linking it to our current operations. The project also includes interior upgrades to the adjacent maintenance facility.

The project is being delivered via Construction Manager at Risk (CMAR) provided by Hausmann Construction. The architectural design is provided by ID8 Architecture and related subconsultants. CMAR (Construction Manager at Risk) offers the benefit of a collaborative approach that brings the construction team on board early in the project, fostering better cost control, schedule adherence, and overall risk management.

We believe these improvements will significantly benefit all our current customers and new participants by increasing and improving our water treatment capabilities. We look forward to keeping you updated on the progress of Building 3 and the “Connecting Neighbors” project!



ABOVE: Platte Treatment Plant (SOURCE: TDG)

WATER TREATMENT PROCESSES

