



Municipal Water Treatment



Case Study

Activated Carbon Treatment System

Industry: Municipal Water Treatment Plant

Location: San Antonio, TX

Capacity: 5,000,000 GPD (18,927 m³)

Installed: 2013

Through a competitive bid process, TIGG was selected by the San Antonio Water System (SAWS) to supply an activated carbon system to proactively remove TOCs and THMs from more than 5 million gallons of water per day. The integrated treatment units were designed, engineered, and fabricated by TIGG.

Project Background

The TIGG 20K-10 Dual Vessel (Skided) System meets and exceeds SAWS' initial specification requirements for the application. The treatment units were designed to run either in series or parallel. Each system holds up to 40,000 lbs of granular activated carbon and is capable of purifying an astonishing 1,500 GPM of drinking water.

This project is unique because TIGG has been manufacturing the popular dual-vessel CP 20K-10 system for years, but in this case, it was the first time they supplied a client with the complete system on a skid.

Each skid was specifically engineered to ship on a single flatbed truck. As a built-in bonus, the skid system simplified the setup process and helped significantly **reduce labor costs**.

TIGG also included **operational training** for SAWS employees to round off the contract. Municipal drinking water providers like SAWS are more and more looking to quickly come into regulatory compliance or solve other potable water problems. TIGG offers municipalities **options to purchase or rent** reliable adsorption and filtration vessels and other water-related equipment. TIGG also provides **aftermarket services and support**, including spent activated carbon changeout and disposal.

About TIGG

For over 45 years, TIGG has provided a broad range of activated carbon adsorption equipment, systems, filtration media and services for air, water, process liquids, and gasses.

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