

CASE STUDY

Rockdale County WTP—Conyers, GA — SuperPulsator®

Plant Specs

Install Date	2002
Equipment	2 units- SuperPulsator® Clarifier
Peak Flow	17 MGD
Average Flow	13 MGD



This water treatment in Rockdale County, GA plant began operation in 2002 with 2 SuperPulsator® units. The SuperPulsator® was chosen over traditional sedimentation basins for this project due to their streamlined process, efficiency and smaller footprint. Rockdale draws its water from a uniquely challenging source of a nearby wetlands. Even with this challenging application, the SuperPulsator® handles the ever-changing conditions and returns water below the state turbidity requirement even before filtering. Mr. Timothy Check, the Chief Operator and a 37-year veteran of water treatment, likes the quick recovery time of the SuperP. He says, with a traditional basin system, if the chemical dosage was off, you would wait 8-10 hours to find out if further adjustments needed to be made. With the SuperP, he knows in about 2 hours and can react much sooner, and avoid problems and production losses. *“I wouldn’t trade it (SuperP) for anything,”* Mr. Check says. *“Anyone who doesn’t put the Pulsator in is crazy.”* It is obvious that Rockdale County appreciates the units’ simplicity, and Mr. Check acknowledges that the lack of moving parts and scrapers below the waterline reduces his maintenance requirements. This system has obviously been a plus for this utility.

Turbidity	Average Monthly Raw NTU	Average Monthly NTU After SuperPulsator®

“I wouldn’t trade it for anything.” - Tim Check, Chief Operator