

# Jackson County Water & Sewerage Authority Case Study

## **Saved \$250,000; High Quality and Great Price Under Tight Deadline; “Flawless Performance From Idea to Finish”**

Would it last another day? Another five minutes? Such questions plagued Mark Dudziak's mind each day he saw his clarifier at the Jackson County Water & Sewerage Authority (JCWSA) (see below right). As Operations Manager, Mark became increasingly challenged working with an industrial clarifier built in the 1960s. He knew the equipment was on borrowed time. "The clarifier components were rotted," Mark noted. "We welded together what we could, but we were running out of pieces to weld. It could have fallen apart at any minute." With failure imminent, Mark didn't have time for a normal lengthy bid process, but he couldn't afford to be held over a barrel, either: the JCWSA had a tight budget and limited resources.

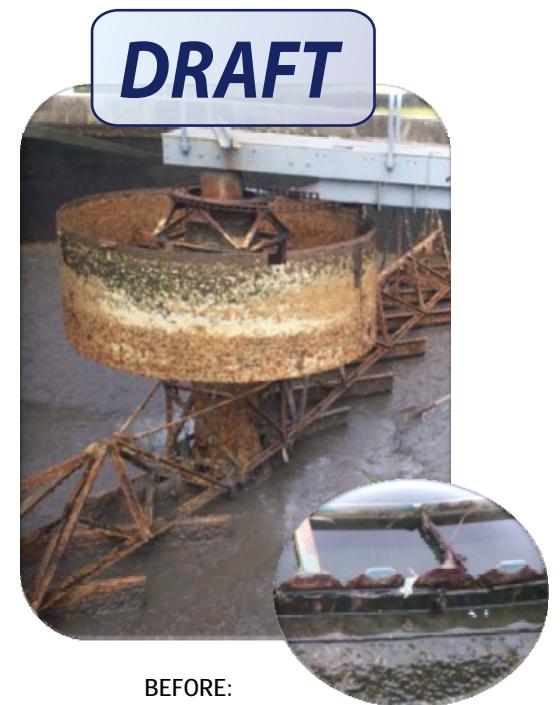
Mark turned to his engineering sales representative, Bill Cannon of Templeton & Associates. Bill recommended **AMWELL**, knowing their reputation for quality and performance. But Mark had never heard of them. "I get guys knocking on my door all the time," Mark said, "And many manufacturers promise the world but fail to deliver." Mark then remembered there was a clarifier in his old hometown back in Wisconsin that had been working since he was a kid. He put in a call back home to see what brand of clarifier it was. The answer? **AMWELL**. "That pretty much sealed the deal," admitted Mark. Other vendors were considered, but no other vendor was able to "even come close" to **AMWELL**'s price. **AMWELL**'s 130 year history and full service approach were the final pieces that Mark needed for him to trust them with this sensitive project. What happened next made Mark an **AMWELL** fan for life.

Mark had expected to be shut down for months until the new clarifier was up and running. **AMWELL** had installed thousands of clarifiers, and anticipated this situation. They brought in a temporary clarifier, which was ready and functioning same day. Total down time for JCWSA: only 30 minutes.

**AMWELL**'s service continued to impress. With no room for error on the critical path to equipment install, **AMWELL**'s field site survey and drafting staff worked in tandem and corrected drawings to match site conditions within hours, not days. JCWSA's contractor and **AMWELL** worked together so well that

every step of the project was completed in a 'right-the-first-time' way. In just two months, the old, disintegrating clarifier was replaced with a new pier supported 50-foot diameter tank. Maintenance-free FRP weirs and baffles replaced painted carbon steel components, and an easily accessible Spurrier drive replaced the previously submerged drive, both of which significantly eliminated future maintenance costs and provide reliable performance.

"**AMWELL** saved me \$250,000," Mark commented, referring to **AMWELL**'s efficiency and product pricing. "**AMWELL** had flawless performance from idea to finish," Mark said. "They exceeded all my expectations. I'll definitely be using them in future."



BEFORE:



AFTER:

**Project:** Jackson County Water & Sewerage Authority      **Location:** Jefferson, GA

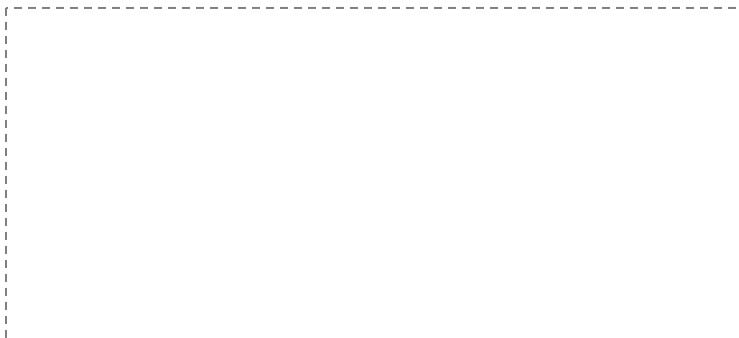
**Project Type:** Rehabilitated clarifier and associated equipment for municipal wastewater treatment plant with a rated capacity of 0.5 mgd serving 1,500 people.

# DRAFT

	Before Amwell	After AMWELL
<b>Equipment</b>	<ul style="list-style-type: none"> <li>Frequent clarifier breakdowns due to corroded materials</li> <li>Clarifier ran in sub-optimal manner which made meeting water treatment objectives a challenge</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance-free operation since the day the clarifier was put in; not one problem</li> <li>Water treatment objectives easily met with well-functioning clarifier</li> </ul>
<b>Man/Hours</b>	Needed to hire outside contractors for any repairs, which averaged 3 people for 8 days to make repairs twice a year = 384 man/hours per year for repairs	Saved 384 contracted man/hours (approximate \$20,000 yearly cost saving)
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>Poorly functioning clarifier resulted in increased sludge build up and increased sludge cleaning and removal costs</li> <li>Old drive was submerged, requiring disruptive tank shut down for repairs</li> <li>Corrosion increased cost of maintenance</li> </ul>	Reduced maintenance cost by: <ul style="list-style-type: none"> <li>Installing corrosion-resistant parts</li> <li>Optimizing mixing and flow, which reduced sludge build up and removal need</li> </ul>
<b>Operating Period</b>	Basin shut down for 1-2 days at a time during the year for repairs	Equipment runs 24/7/365 with no major operational interruption

For more information on how **AMWELL** can assist in meeting your water treatment needs:  
email: [amwell@amwell-inc.com](mailto:amwell@amwell-inc.com) call: **630-898-6900** visit: [www.amwell-inc.com](http://www.amwell-inc.com).

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