

## CASE STUDY

### Cornish Creek WTP—Newton County, GA — Filter Magic®

Plant Specs

Install Date	2009
Equipment	Filter Magic® Control System
Avg Flow	12.5 MGD



In 2009, Newton County’s Cornish Creek WTP underwent an expansion that included the Filter Magic® filter control system. They chose to install this system instead of a one-off integrated control system due to its ease of use, low maintenance costs and unique filter control capabilities. James Brown, the Interim Water Resources Director with 18 years of experience and 7 years at this plant, likes the system because he can easily make small changes, and customize the control of each filter within the system himself. He dislikes having to wait for an integrator or technician to come out and reprogram his system to fit his needs. This would prove to be a great benefit to him when a few years ago, their plant was hit by lightning. Even with the lightning strike he said the filters never stopped working or went offline. The Filter Magic® system’s robust design allowed the filters to continue running, and due to Filter Magic’s responsive customer service, the replacement parts were delivered the next day. He was able to personally switch the components out himself and be repaired within 24 hours of the strike. Mr. Brown says his filter downtime has greatly decreased because Filter Magic® is able to optimize his backwash cycles. *“The filters get cleaned to the optimal level.”* They get cleaned properly, but *“don’t end up too clean to where they need to wait for them to be seasoned before they can come back online.”* This has led to great gains in filter efficiencies and ultimately, net water production. Brown considers Filter Magic® to be *“by far the best filter control system he has ever seen.”* He is excited to get his current system upgraded when the next generation of Filter Magic® is available.

Mr. Brown estimates that Filter Magic® has increased his filter efficiency by 20%.