

Aquatic Center in Georgia

Alternative To Ultra-Violet (UV) Water Treatment



Background

The Aquatic Center has had UV secondary disinfection installed for approximately 15 years, and while it has reduced their issues with air quality (chloramines), the ongoing maintenance and power costs left management open to explore new innovative technologies, such as Hydropath technology which powers the *HydroFLOW* water conditioners. The evaluation took place during the last months of 2017 and the first months of 2018.

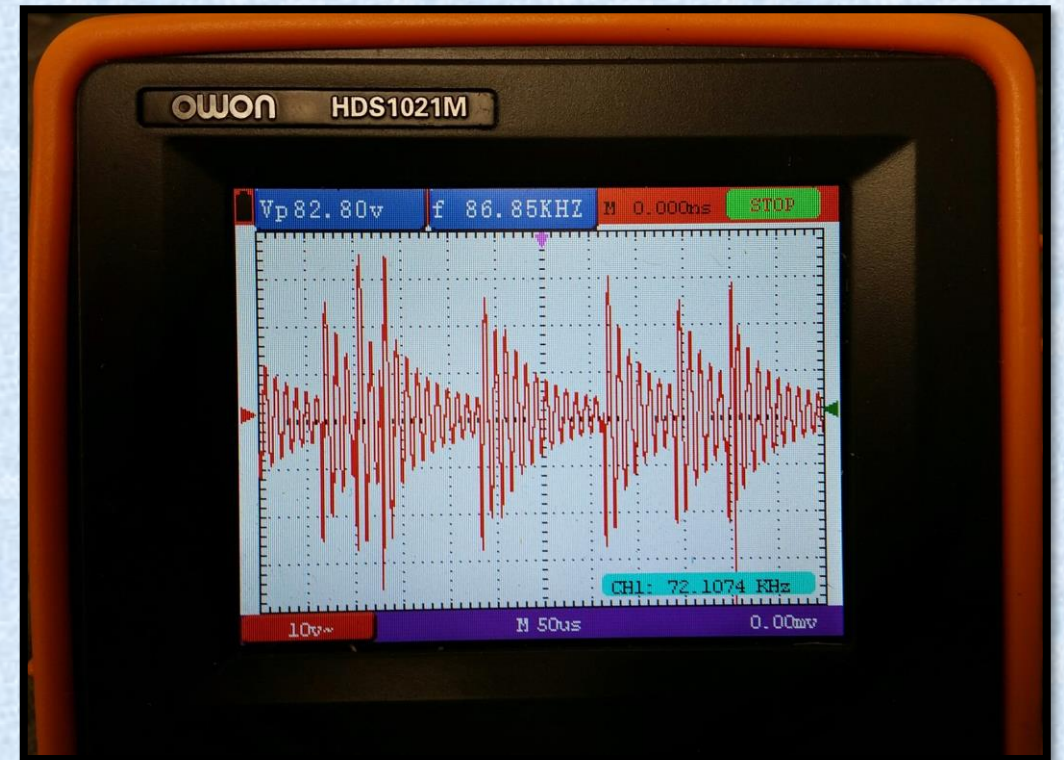
- Phase 1 of the product evaluation included 1 month of baseline data collection with the UV system turned on.
- Phase 2 included the installation a *HydroFLOW* Custom 12” unit which ran in conjunction with the UV system for 2 months.
- In Phase 3 the UV system was turned off and secondary disinfection was solely reliant upon the *HydroFLOW* Custom 12” unit for 2 months.

***HydroFLOW* Installation and Signal Propagation**

Upon installation, the Hydropath signal began to propagate throughout the recirculating pool system. Clear signal readings were observed at the surge tank, the pool, the filters and the heat exchanger.



Installed *HydroFLOW* device



Hydropath Signal

Results

The trial showed the more economical *HydroFLOW* water conditioner achieved similar or better air quality results (reduced chloramines) compared to the UV system, at a fraction of the ongoing maintenance cost. In addition, there was a noticeable downward trend in backwash times, chlorine usage and scale accumulation in the heat exchanger. Empirical data to support the results is available upon request.

