

CASE STUDY:
Shell Point Retirement Community



COOLING TOWER WATER TREATMENT FOR 2,400 RESIDENTS

Project:	Shell Point Retirement Community
Location:	Ft. Myers, FL
Scope of Work:	12-Cell, 8,000 Ton Cooling Tower
EasyWater Equipment:	2- CTF-360-S Skid-Mounted Treatment Systems

≈ PROBLEM

Shell Point, Florida’s largest continuing care retirement community, houses approximately 2,400 residents in Fort Myers.

Their community has a large cooling tower system that serves their water-cooled chillers in order to provide air conditioning for all its residents. Unfortunately, this system has a long history of problems, including:

- ▶ Scaling in the cooling tower fill
- ▶ Turbid water
- ▶ Scaling in the chiller condenser tubes
- ▶ High bacteria counts

Additionally, the crossflow cooling towers allow all of the Florida sunlight to come in contact with the water in the sump, which caused a major algae problem.

Shell Point has attempted to use regular chemical treatments, including extra daily hand shocking of biocide chemical, but this has not brought the algae and bacteria problems under control.

Shell Point was utilizing (2) 475 gpm sand filters with their cooling tower sump sweeper system prior to purchasing the two EasyWater CTF Systems.



12-Cell, 8,000 ton cooling tower system



Sand Filters Prior to Installing EasyWater CTF Systems

“The CTF System has exceeded my expectations.”

— Paul Bretones, Shell Point Manager of Engineering



Shell Point Retirement Community



≈ SOLUTION

In the Fall of 2020, EasyWater received a purchase order for (2) CTF-360-S skid mounted treatment systems, a unique, three-part solution for cooling tower treatment and filtration:

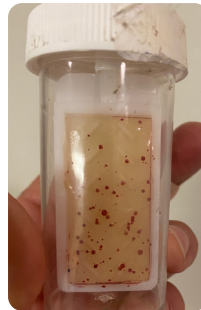
- ▶ EasyWater SedimentShield—a sub-micron, backwashing filter for the removal of sediment and bacteria
- ▶ Ultraviolet chamber for bacterial sanitization
- ▶ EasyWater No-Salt Conditioners to prevent and remove hard water scale deposits, biofilm, and bacteria. Our No-Salt Conditioners have the added benefit of preventing the hot UV lamps from scaling

≈ RESULTS

Our two CTF Treatment Systems went on-line December 17, 2020 and they quickly produced impressive results. See bacteria dip slide test results shown to the right.

Not only did overall bacterial counts dramatically drop from 10^5 to 10^0 in less than two weeks, but the algae, biofilm and turbidity were also dramatically reduced. See our Before/After results below.

CTF is a complete cooling tower treatment solution that provides superior results and typically pays for itself in less than 2 years with only chemical and energy savings.



BEFORE - Bacterial dip slides results before the CTF Systems were installed was 10^5



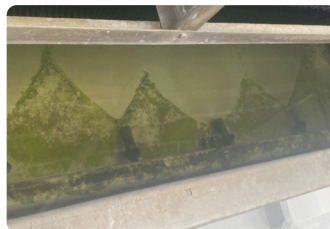
AFTER - Less than two weeks later the bacterial count was down to 10^0



BEFORE



AFTER TWO WEEKS



BEFORE



AFTER TWO WEEKS - Algae in the cooling tower sump basin was eliminated in two weeks