



INTERCOLLEGIATE ATHLETICS

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Mr. Roger Anderson
If It's Water, Inc.
2090 Bondsville Road
Dowington, PA 19335

Mr. David G. March
D.G. March & Associates
1456 South Hanover Street
Pottstown, MA 19465

Gentlemen,

Thank you again for all of your time and effort in installing the three (3) ETS UV systems at our University Park pools last Spring. We are very pleased with the quality of work for each of the installations, including the clean-up.

What a difference the UV systems make! At each of our three pools (located in two separate buildings) our combined chlorine readings exceeded 1.2 ppm on a regular basis. Swimmers were coughing during heavy workouts. There was a noticeable "pool" smell in the winter months when we were not able to keep doors open to vent the "bad air" outside. We tried shocking the pools a variety of ways, using both the "old" and "new" formula for achieving breakpoint to no avail. We even tried using zeolites and potassium monopersulfate to help reduce chloramine formation. While we would experience temporary relief, we simply could not find a lasting way to address the chloramine issue – that is until you installed the UV systems.

After a few days with the UV systems operational, and after raising our pH from 7.4 to 7.6, we were able to see our combined chlorine levels all but disappear. Using an FAS-DPD test kit to measure combined chlorine residuals, we now barely get a color change in the sample vial. The color in the vial is so faint that we know there's less than 0.2 ppm combined chlorine after each evening's recovery period. The UV seems so effective that even during a busy NCAA Division IA swimming workout we are able to keep our combined chlorine levels to within acceptable parameters (< 0.2 ppm). This has made a noticeable impact on our swimmers.

These systems have not only helped reduce the chloramine levels in the water, but the "pool smell" has also been greatly reduced. In fact, we might only "smell" the pool now during periods of heavy workouts and even then the smell dissipates quickly. ***In short, we are very pleased with the units and highly recommend that pool operators consider a UV system for their indoor pools.***

Sincerely,

Shawn P. DeRosa
Director of Aquatics &
Safety Officer for Intercollegiate Athletics