

# CAT Controller Courier # 08

May 2007

Dear Troy,

*In this month's issue of the CAT Controller Courier you will discover very useful information regarding Cyanuric Acid and chemical testing. You will also read about CAT Controllers move to a new office building. As always CAT Controllers thanks you for your business and support. If we can do anything for you please contact us at: (800) 657-2287.*

## **CAT Controllers Is Moving!**

CAT Controllers, Inc. would like to congratulate owners Patrick Sweeney and Culin Tate on the purchase of our first owned office building. CAT Controllers was founded in 1993 and has continued to grow in the pool and spa industry through the introduction of microprocessor based and wireless pH/ORP chemical controllers. During the month of May CAT Controllers will be in the process of moving our office equipment, production, and sales operations to the new headquarters. We assure that as always we will do our best to serve you.

### ***New Office Address:***

CAT Controllers, Inc.  
10101 Molecular Drive Suite # 200  
Rockville, MD 20850  
SAME PHONE/FAX NUMBERS  
P-800-657-2287  
F-301-990-8907

## **Careful With Cyanuric Acid!**

Cyanuric Acid (CyA), also known as stabilizer, when present in an outdoor body of water will allow your chlorine residuals to last 3 to 10 times longer. However, over stabilizing when using CyA residuals (Over 30ppm-50ppm) can result in unhealthy and unsafe water. CyA protects the Free Available Chlorine (FAC) from UV rays of sunlight. Though protecting the FAC, CyA has a dramatic impact on the FAC's ability to oxidize at full potential. Tests have shown that by maintaining more than the recommended amounts of CyA (though still maintaining the same FAC residual) ORP readings will greatly decrease. Here are the main variables to consider when using CyA:

1. Do not use CyA on any indoor applications (There is no benefit).
2. Do not maintain over the 30ppm - 50ppm CyA
3. Try to hold CyA at a steady and consistent ppm
4. Understand your ORP controller is not telling you how much FAC is in your water it is telling you how effective the chlorine is.
5. Recognize that any presence of CyA will decrease your ORP, which means you will have to adjust your ORP setpoint accordingly.
6. With seasonal pools be sure to pay close attention to your ORP readings and setpoints after stabilizer is added.

### **The Preferred Chemical Testing Method**

Chemical testing methods have changed throughout the years. First was the Orthotolidine test, otherwise known as the OTO method, which only measures total chlorine. This method is no longer accepted for public pool/spa testing. There is also the Diethyl - p - phenylenediamine, otherwise known as the DPD method, which measures both free available chlorine and total chlorine. This test is available as a colorimetric comparator and titration test. Most states now require the use of DPD tests kits. The most accurate and most reliable type of chemical testing is the Ferrous Ammonium Sulfate (FAS-DPD). This kit takes out the "guess work" of color comparisons used in the colorimetric method. This test will also give you more precise FAC readings and also allows for measuring higher FAC readings. Most test kit manufactures sell FAS-DPD test kits. Please contact your preferred manufacture for more information.

### **CAT Controllers Now Offers CPO Certification Courses!**

CAT Controllers offers 3 different CPO course types. CAT will be offering 2 full day instruction CPO courses at our new facility. We will be offering CPO Fusion Courses (for 1 day classroom certification). Lastly, CAT is willing to travel to your facility to train you on CAT Controllers and CPO certify your employees.

For More Information Contact:

Troy McGinty  
CPO Instructor  
Phone: (800) 657-2287

### **Salt Chlorine Generation Applications**

CAT Controllers has recognized the growing presence of salt chlorine applications and has continued to manufacture controllers that will interface with any and all types of salt chlorine generators. We have now produced an applications guide which will provide you with a better understanding and some

instruction on how to utilize the benefits of automated chemical controllers in conjunction with salt chlorine generators. CAT Controllers also supplies some equipment that may be necessary to connect a CAT Controller to certain salt chlorine generators. It is very important to understand that there is a strong relationship between your chlorine and pH levels. Using a pH/ORP controller in conjunction with a salt chlorine generator will help maintain proper water chemistry, which in turn, will keep your water safe and extend both the life of your pool and your pool equipment.

### **\$100 Rebate**

Are you renovating a customer that doesn't know what to do with their old controller? Send CAT any pH and ORP chemical controller and receive a \$100.00 Credit with CAT Controllers. Offer Expires: This offer never expires, but is only good for CAT Credit!

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