

Editorial Contact:  
Cortec® Advertising Agency:

Jeni Duddeck  
(651) 429-1100 Ext. 1114

[jduddeck@cortecvci.com](mailto:jduddeck@cortecvci.com)

Company Contact:  
Cortec® Corporation

Julie Holmquist  
(651) 429-1100 Ext. 1194

[jholmquist@cortecvci.com](mailto:jholmquist@cortecvci.com)

Technical Contact:  
Cortec® Corporation

Ben Voight  
(651) 429-1100 Ext. 1174

[bvoight@cortecvci.com](mailto:bvoight@cortecvci.com)



**Attention: Editor**  
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**PRESS RELEASE**



## **Cortec® Offers Escape from Status Quo of Winter Water Treatment Challenges**

Unfortunately, winter corrosion during seasonal layup has become a necessary evil for many water treatment systems. Complications during startup due to corrosion—such as plugged strainers and distribution decks and fouled —lead to delays and expensive unplanned maintenance costs that personnel too often accept as normal. The good news is that Cortec® offers an escape from common winter corrosion problems with these simple water treatment solutions.



### **Cooling Tower Layup**

The best thing to do for a cooling tower facing winter shutdown is to apply a corrosion inhibitor before layup. The Cooling Loop Gator® is one easy, effective option that can be applied without opening the

cooling tower equipment. It is added to existing water and circulated for 12-24 hours before draining the tower. If the weather warms up enough for the cooling tower to be turned on again for a few days, as sometimes happens, any loss of corrosion inhibitor can be corrected by testing concentration and reapplying, if necessary, before draining the cooling system again. The Cooling Loop Gator<sup>®</sup> does not have to be removed at startup and minimizes delays and additional maintenance commonly caused by winter corrosion.

## Operating Boilers



During winter, operating boilers are the main active water treatment focus and will require taking special precautions against corrosion and buildup of . These issues can be addressed separately by adding single components. For example, S-15 works as an excellent oxygen scavenger alternative to toxic hydrazine and other common oxygen scavengers. The S-10 Series works to protect steam and condensate lines from corrosion due to the formation of carbonic acid.

In some boilers, it is not desirable or possible to have multiple feed points for different products. This problem can be solved by implementing a one-drum treatment such as VpCI<sup>®</sup>-615. VpCI<sup>®</sup>-615 combines all that is needed in terms of oxygen scavenger, corrosion inhibitors, dispersants, and more, into one product added at one point.

## Redundant Boilers

Another winter boiler challenge either with or comfort heating is corrosion protection for backup boilers. Redundant boilers that have to remain filled and on low fire for standby are particularly challenging. Standard practice is to raise the pH and treat the water with sulfites to inhibit corrosion. The big problem is that frequent monitoring takes so much maintenance that it often gets neglected, and corrosion problems start anyway.



To solve this problem, Cortec® has designed the Boiler Iguana™, which effectively protects boilers on standby against corrosion without high maintenance. Boiler Iguana™ does not need to be drained before bringing it back online, ensuring that minimal time is needed to restore steam production if the main boiler



goes out unexpectedly. Boiler Iguana™ protects metals below and above the water level. In addition to convenience, Boiler Iguana™ does not contain sulfites, silicates, phosphates, nitrites, or EPA or OSHA hazard components.

### **A Little Goes a Long Way**

These are a few of the problems water treatment professionals can face in heating or cooling systems during the winter. Do them a favor this season by introducing simple, practical Cortec® solutions. A little protection can go a long way toward avoiding corrosion, downtime, and extra repair work and headaches. Contact Cortec® today for more information:



<https://www.cortecwatertreatment.com/contact-us/>

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