

## Boiler Water Treatment:

The main concerns with boilers today are: Corrosion from pitting, corrosion of condensate lines, and scale formation on heat transfer surfaces from calcium and magnesium salt precipitation. Lone Wolf Technologies treatment programs take the necessary proactive steps to prevent these issues from becoming problems.

## Corrosion:

Corrosion is the breakdown of the boiler metal and is caused by dissolved oxygen. Corrosion can cause the system stress, reduce boiler lifespan and cause cracking. The higher the pressure of the system, the more corrosion there will be. Lone Wolf Technologies uses three methods to address corrosion.

- Deaerators: Remove dissolved gases from water
- Oxygen Scavengers: Reduce or eliminate oxygen in boiler water
- Condensate Line Treatment with an Amine: Diminish to protect the condensate line from corrosion.



## Scale Build-Up:

Scale is caused by calcium and magnesium salts forming deposits on the inside of piping and heat transfer surfaces. In addition to scale, there can be other feedwater contaminants such as Silica, Iron, and Aluminum that can also affect a boiler's performance.

Lone Wolf Technologies uses water purification methods that are designed to reduce scale forming salts and reduce treatment costs.

Lone Wolf Technologies uses an internal boiler treatment, oxygen scavenger, amine line treatment and recommended blowdown frequency for all our boiler water treatment programs. We also advise our clients on the best pretreatment options for their boiler, in order to avoid scale buildup. Lone Wolf Technologies boiler programs are further enhanced with a minimum monthly water testing service. All of which will help lower your cost of operation, improve your boiler operating efficiency, reduce maintenance levels, prolong your equipment life, and maximize your process productivity.

