

WHY TREAT YOUR BOILER WATER SYSTEM?



CORROSION AND SCALING

TWO MAIN CHALLENGES

There are two main challenges your boiler system can encounter when the water is not treated properly – metal corrosion and mineral scaling. These two challenges can develop into costly issues which include:

- **Diminished heat exchange capability.**
- **Overworked pumps.**
- **Increased consumption in electricity or fuel.**
- **Damage to your boiler and related plumbing.**
- **Boiler water carryover.**

BETTER WATER. BETTER SYSTEMS.

Not all boiler water is the same and therefore not all water treatment programs are the same. In general, numerous elements of a successful program work synergistically to maximize the efficiency and longevity of your systems. A boiler water treatment program typically incorporates all or some of the following elements:

- Make-up water pretreatment for the removal of minerals and/or other dissolved solids.
- An oxygen scavenger for the prevention of oxygen pitting.
- Internal boiler inhibitors to prevent scale/corrosion.
- Alkalinity booster to increase boiler water pH to an ideal range.
- Steam condensate treatment to prevent corrosion in the return lines.

A CASE STUDY

PROBLEM: A mining operation on the beautiful coast of California reached out to Meras for help with its boiler water treatment program. The engineers and maintenance personnel had not seen their service provider in months, and they suspected the current program was not functioning properly. A survey revealed the facility was overly consuming chemicals and the boiler water parameters did not meet ASME or manufacturer guidelines.

SOLUTION: Meras immediately suggested some simple changes and repairs which yielded significant improvements almost overnight. After introducing a better-suited chemistry and dialing in the proper feed rates, boiler water parameters soon reached acceptable ranges.

Engineers and maintenance personnel...suspected the current program was not functioning properly.

The engineers and maintenance personnel routinely interact with their Meras representative and all their questions/concerns are addressed.

AFFILIATIONS, MEMBERSHIPS, LICENSES:

AWT, GSA Vendor, CA Small Business, USEPA, CalDPR, C-36 Contractor License, LEED, Public Purchase Vendor.

FREE SITE SURVEY

You may be wondering if your current program is still effective or you may simply want a second opinion on how your systems are operating. Just reach out and request a free boiler room survey.

ABOUT US:

Meras Water Solutions has been helping customers in California, Arizona, Nevada, and Oregon for over 15 years.

We specialize in turn-key, customized water treatment programs and services. Solving problems and delivering customer satisfaction is what drives our team. Contact us and see for yourself.



#betterwaterbettersystems



MODESTO OFFICE
4213 Technology Drive, Suite A
Modesto, CA 95356
(209) 236-9612
www.meras.com