

WHY TREAT YOUR CLOSED LOOP WATER SYSTEM?



CORROSION, SCALING, BIOFOULING

THREE MAIN CHALLENGES

There are three main challenges your cooling system can encounter when the water is not treated properly- metal corrosion, mineral scaling, and biological fouling. These three challenges can develop into costly issues which include, but are not limited to:

- **Diminished heat exchange capability.**
- **Major leaks and pipe ruptures.**
- **Increased consumption of electricity or fuel.**
- **Corrosion on metal surfaces.**
- **Scaling of your system, especially near high temperature heat exchange areas.**

BETTER WATER. BETTER SYSTEMS.

Regardless of the application, a proper chemical treatment program is important to maintaining clean and integral heat exchange surfaces. Closed loop systems will often be composed of various metallurgical components and this can prove challenging when selecting an inhibitor or establishing a target pH range. Mechanical and chemical solutions can be employed in unison to tackle even the most challenging issues.

A CASE STUDY

PROBLEM: Process Water Loops are a critical component of operations for a customer in the Bay Area. High mineral levels and excessive microbiological fouling was causing issues throughout the facility.

Maintenance personnel attempted to treat the system with various chemicals but they were not achieving the results they wanted

SOLUTION: Meras surveyed the system and walked the floor with facility personnel to inspect for any major leaks or sources of contamination. The survey revealed multiple points of contamination that were introducing foreign matter to the loop. Furthermore, it was discovered that a small glycol leak was contributing to biological growth.

High mineral levels and excessive microbiological fouling was causing issues throughout the facility.

With the proper chemistries in place, the customer was able to control the biological growth and improve the overall cleanliness and health of the loop.

AFFILIATIONS, MEMBERSHIPS, LICENSES:

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

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.

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 water system survey.



#betterwaterbettersystems



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