

WHY IS PRE-TREATMENT SO IMPORTANT?



IMPROVE EFFICIENCY & FLOW RATE

INDUSTRIAL PRE-TREATMENT

A pre-treatment program can be critical to the overall success and longevity of your cooling towers and boilers by improving efficiency and flow rate and reducing hardness and scale.

A pre-treatment system will mechanically or chemically treat a raw makeup water supply to make it suitable for use in heating or cooling operations removing minerals and dissolved solids.

A Meras Water Specialist will provide an on-site evaluation and water analysis to determine an effective pre-treatment program for your process.

BETTER WATER. BETTER SYSTEMS.

Meras Water Solutions has several pre-treatment solutions available:

- **Aerators**
- **Clarifiers**
- **Water Softeners**
- **Sediment Filters**
- **Reverse Osmosis**
- **Demineralizers**
- **Ion Exchangers**

A CASE STUDY

PROBLEM: High levels of mineral hardness in source water will commonly create challenges for customers and their heat transfer systems. A popular and commonly known brand with a food processing facility in California was experiencing mineral scaling in the evaporative condenser tube bundles. The scale on the heat exchange surface area was acting as an insulating layer, reducing the heat transfer efficiency of the cooling systems. This problem was causing the chillers and condensers to work much harder in order to maintain the appropriate temperatures for cold storage operations.

A food processing facility in California was experiencing mineral scaling in the evaporative condenser tube bundles.

As a result, utility costs were high and asset longevity was dangerously compromised.

SOLUTION: Meras Water Solutions was called out to investigate the problem and it was discovered that the existing water softener

had been inoperable for years. Within a couple weeks, our team had installed and programmed a new water softening system that improved the quality of their makeup water. Routine maintenance service and field testing is giving this customer peace of mind knowing that our experts are monitoring the situation.

Contact us today to learn how we can help you!

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 survey.

ABOUT US:

Meras Water Solutions. 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 excellent customer service is what drives our team. Contact us and see for yourself.



#betterwaterbettersystems



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