



CASE HISTORY

Call Us For All Your Boiler, Cooling And Wastewater Applications

COOLING APPLICATION

A southeastern chemical plant was experiencing problems with the chill water loop inside the plant. The loop had never been treated. Initial testing showed excess of 10 ppm of soluble iron in the system. AJ Chemical was called in to help with cleaning the loop. The concern of the plant was doing the cleaning without having to shut production down.

AJ Chemical recommended AJ Kleen 1962 online cleaner. This product had shown effective in similar systems. The volume of the system was 2150 gallons based on volume Molybdate tracer testing.

AJ Chemical began the cleaning on a Friday afternoon and allowed the cleaning to work over the weekend. The plant or process was ever taken off line. On Monday after 3 days of cleaning, AJ Chemical began flushing the line and tank out to rid the system of the iron removed in the system. Based on diluted samples, in excess of 50 ppm of iron was cleaned in the system.

The system once cleaned and returned to normal service, was very clear. The iron levels have been reduced from excess of 10-ppm normal levels to less than .5 ppm. This is a 99.50% reduction in the iron levels.

The system is now treated with AJ CL 458 a nitrite/borate/TTA that has proven effective.

Pictures and graphs are attached to the next page.

COOLING APPLICATION



Before Treatment



After Treatment



Corrosion Coupons 2 Months

Soluble Iron Levels

