Ryan Rikkola
Sr. Facilities Engineer
Minnesota Twins Baseball Club
Target Field

Joe and Bob

For the last 12 years we have hired a contractor to complete an annual teardown of the 4 Steam Domestic Hot Water Heaters (DHWH). Alternating years we tear down 1 pair, each year the procedure has been to fully remove the tube bundles, inspect, and soak them in an acid bath for 3-4 days in order clean of the lime scale, biologicals, and calcium buildup. The tanks are cleaned of deposits, sediments and everything is put back together 6-7 days project hired out to contractor. Initially the tanks were recoated with epoxy liner to protect the tank, from corrosion, that coating failed after two years, we had to recoat them again, with plans to recoat every 4 years as necessary, which adds a week of prep and coating and $2000 Per tank. The tanks are cleaned of scale, deposits, and sediments. Then everything is put back together.

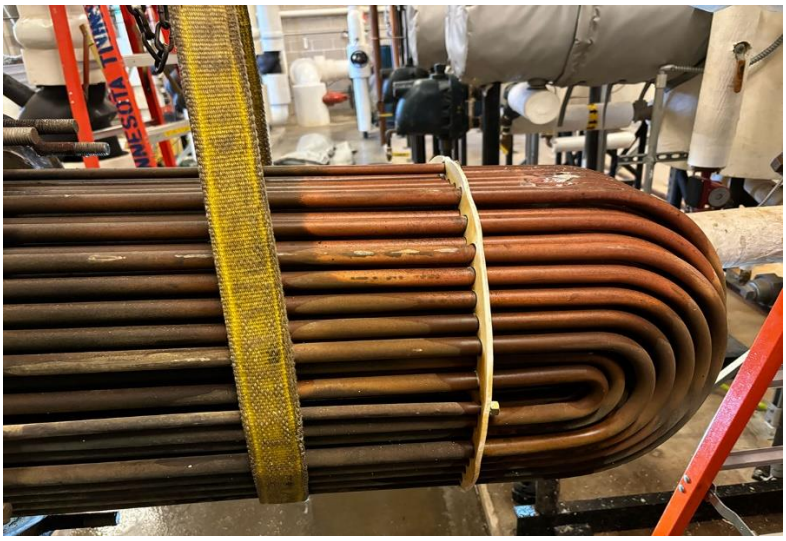
Last year in March we installed the NAWT 4" Collar on the water feed pipeline that supplies the 4 Steam DHWH here at the Twins Stadium. This is the first year we have done a tear down with the collar in place, this year we tore down #3 and #4 heaters. According to the contractor we did not need to Acid soak the tube bundles for the first time since we started teardowns 12 years ago. This saves 3-4 days of labor and about a $1500 per water heater. The tanks did not require the usual scouring of the inside, and did not have the standard calcium sediment at the bottom of the tank. Tanks did not require recoat this year, which will save us an extra week of work every 4 years. Overall, the NAWT collar is great at reducing scale and will save us time and money. It was simple to install and does all that it claims to do.
Thank you for the great product.
Ryan Rikkola

Here are the attachments as links for you to view: I'm sorry the contractor only provided me with photos of tube bundle 3, but the bundle 4 was also just as clean.

Tank Bottom Clean both Tanks

NAWT Collar installed on Cold supply to Domestic Hot Water Heater

NAWT Collar installation on Cold water supply SDHWH



Tube Bundle 3B Above

Tube bundle 3A Below