



HydraTite® Internal Joint Seal

Market

Power

Challenge

The challenge was to eliminate air in leaking from through wall leaks.

Engineered Solution

The solution proposed utilized the HydraTite seal with six three-piece stainless steel 316 steel bands, a double wide HydraTite seal and a 16 gauge stainless steel backing plate.

Scope

The circulating water box system requires a vacuum on the system to allow proper circulating water level in the water box to provide cooling through all tubes. This operating performance was degraded due to through wall leaks in the discharge piping that allowed atmospheric pressure to reduce vacuum levels and thus reduce cooling capacity of the condenser and overall electrical generation.

The crew and all materials entered through an existing manhole and were able to complete the system installation within the work window provided by the station.

Solution

At the completion of the project the system performance was brought back to as built specifications with the nuclear plant able to operate at better efficiency and thus increase electric generating output.



HydraTech Engineered Products LLC

10448 Chester Road, Cincinnati, OH 45215 Phone (513) 827-9169 Fax (513) 827-9171
www.hydratechllc.com