



HydraWrap® (Fiber Reinforced Polymer)

Market

Power Generation

Challenge

The challenge was to repair cooling water piping corrosion.

Engineered Solution

The solution utilized the HydraWrap Structural Composite Repair System, as well as the HydraTite® Internal Joint Sealing System.

Scope

The cooling water pipe system consisted of approximately 1,500 feet of 72-in carbon steel piping. The system supplies cooling water to vital components in the power plant.

Inspections conducted on the cooling water pipe revealed signs of corrosion with certain areas having a significant amount of wall loss. Rehabilitation was required to prevent further corrosion and add structural reinforcement to the host pipe.

Solution

The client specified a carbon fiber composite system and selected HydraWrap for its corrosion resistant and structural properties, coupled with its economical pricing. The terminations of the HydraWrap carbon fiber lining were sealed with HydraTech's HydraTite® internal pipe seals. The installation involved proper surface preparation by high pressure water and abrasive blasting. The project was successfully completed during the scheduled outage at a fraction of the time and cost it would have taken for direct replacement.



HYDRAWRAP

STRUCTURAL COMPOSITE REPAIR SYSTEM

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