



HYDRAWRAP
STRUCTURAL COMPOSITE REPAIR SYSTEM

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 supplied cooling water to vital components in the power plant.

Inspections conducted on the cooling water pipe revealed signs of corrosion with a significant amount of wall loss in certain areas. 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.



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