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SealXpert Products

Leak Repair Application Note 33

Pipe Material: Carbon Steel Pipe
Pipe Medium: Sea Water
Pipe Size: 60" (1500mm)
Pipe Pressure: 150 psi
Temperature: 30°C
Leak Location: Weld joint Leak

A seawater cooling pipe in a power plant was facing a leak at weld joint near the pipe flange. The pipeline cannot be shutdown for repair or replacement and SealXpert™ products were applied and the repair was completed successfully while the system is in operation.

Firstly, the leak area was cleaned of any paint or loose debris from the pipe surface. Thereafter, Seal Stic™ Quick Cure Epoxy Stic was applied onto the leak area with the help of a sheet metal and SealXpert™ Stainless Steel Pipe Clip.

Once the Seal Stic™ Quick Cure Epoxy Stic was cured, SealXpert™ Repair Putty was applied onto the entire pipe circumference and flange area. Finally, the pipe was reinforced and strengthened with Wrap Seal PLUS™ Fiberglass Repair Tape.

Application Photographs



SealXpert™ stainless steel clips and Seal Stic™ was applied onto the pipe to arrest leak



SealXpert™ Repair Putty was applied onto the affected area



Wrap Seal PLUS™ Fiberglass Tape was applied for pipe reinforcement

