



INTERNAL PIPE HydraTite® JOINT SEAL

Market

Power & Utilities

Challenge

A leak was identified in a 30" pump suction line at a coal power plant in Ohio. A repair method was needed to prevent digging up the building.

Engineered Solution

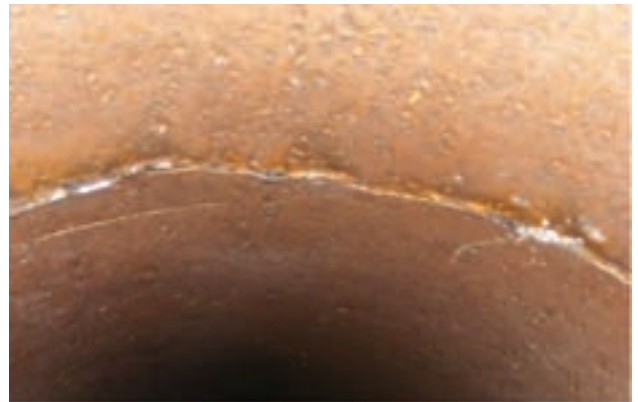
After reviewing multiple options, the HydraTite Internal Pipe Joint Seal was selected to rehabilitate the compromised points in the pipe that were leaking. This trenchless solution was selected because it could be installed inside the pipe.

Scope

The system was rehabilitated in two phases. Both of which involved installing the HydraTite seal.

Phase 1

A circumferential crack had formed 16" upstream from the transition joint where the steel connected with the concrete pipe. An extra-wide seal was installed over the leak in only 2 hours.

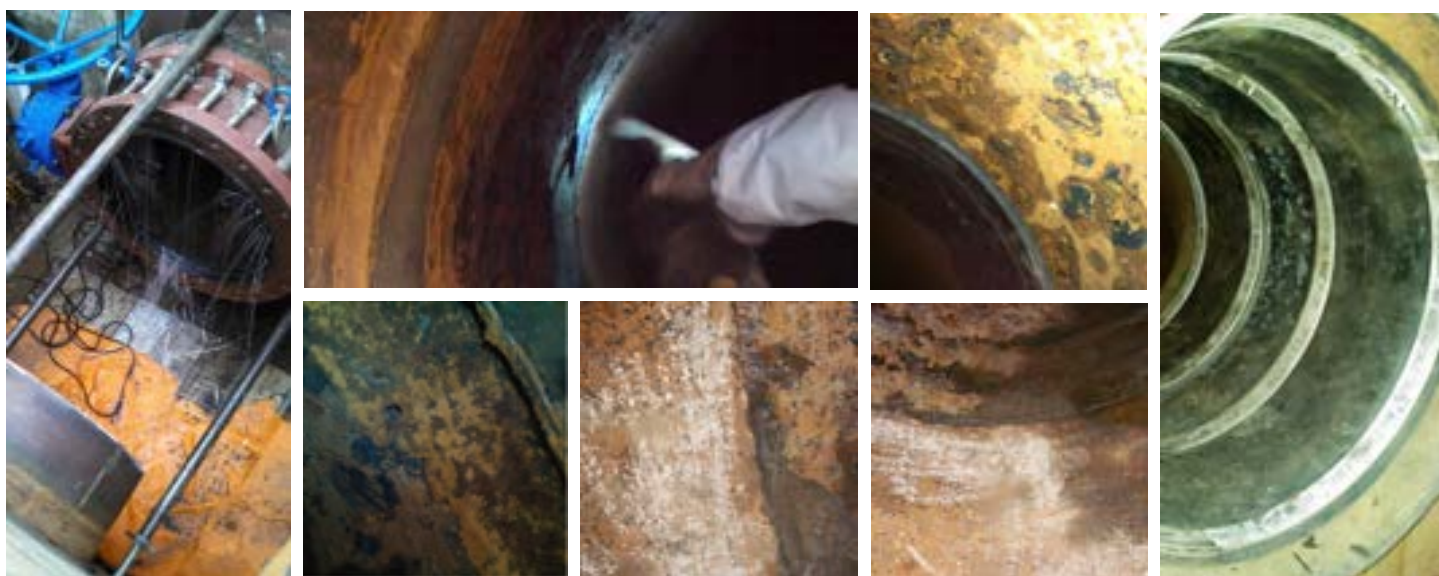


Phase 2

Another section was discovered to be defective near the steel-to-concrete transition. The surface was prepped and the scale was removed to create a smooth surface for installation. Three extra-wide seals were interlocked to form a 35.5" sleeve that covered the defective section and neighboring joint. The installation of the HydraTite sleeve only took 3 hours.

Solution

HydraTech quickly provided a customized solution to cover an extended area of concern and eliminated a leak that was coming through a circumferential crack. HydraTite provided a lifetime repair at a fraction of the cost and time required to replace, and the installation process did not require disturbing the building above.



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