



DOWAKSA CarbonWrap®

CASE STUDY

SAN FRANCISCO PUBLIC UTILITIES
SAN FRANCISCO, CALIFORNIA

REPAIRING STEEL PIPES WHEN WELDING IS NOT AN OPTION

Problem

The San Francisco Public Utilities Department faced a very difficult problem. When they tried to sandblast a very old riveted steel stand pipe inside a tower behind a dam, due to corrosion and thinning of the pipe's walls, the sandblasting resulted in numerous holes and leaks in the pipe. Because the pipe was too close to the tower walls (about 3 inches from the walls), welding was not an option. San Francisco Public Utilities then contacted DowAksa CarbonWrap® for a quick repair method.

Solution

The solution in this case involved wrapping the pipe in two layers of DowAksa CarbonWrap®, essentially encapsulating the entire pipe. The leaks completely stopped.

Furthermore, applying two layers of the DowAksa CarbonWrap® significantly increased the pressure rating of the pipe and protected it from further corrosion.



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