



DOWAKSA CarbonWrap®

CASE STUDY

PALO VERDE NUCLEAR GENERATING STATION
TONOPAH, ARIZONA

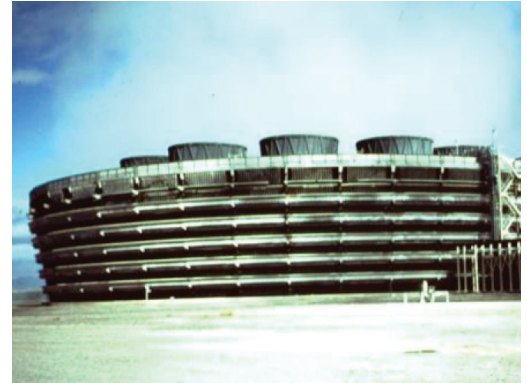
RETROFITTED BEAMS TWICE AS STRONG AS ORIGINAL BEAMS

Problem

The cooling towers in the country's largest nuclear power plant had badly deteriorated due to the high chlorine content in the circulating cooling water. In fact, the degraded concrete beams on the cooling towers' roof were jeopardizing the entire building's structural integrity. Rebuilding the cooling towers would require enormous capital investment and months of plant downtime.

Solution

Using DowAksa CarbonWrap®, the deteriorated concrete beams were repaired and upgraded, allowing the power company to avoid the enormous expense of tear down and rebuilding. And test results after installation indicated that the retrofitted beams were capable of handling twice the load capacity of the original concrete beams.



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