



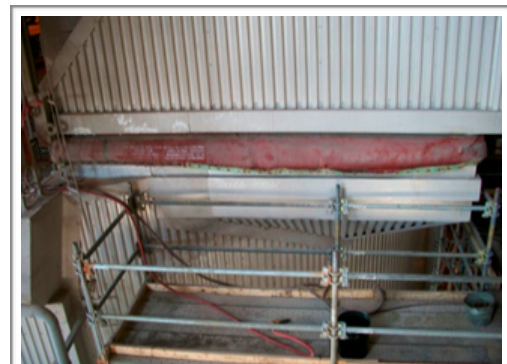
Adding A Full Cavity Pillow Eliminates Fly Ash Build-Up

Application: Air Heater Air Outlet on a lignite fired 600MW CFB Boiler.

Problem: Often the primary air pushed through the heater baskets on the air heater outlet is considered to be “clean”. In reality, there is fine particulate that clings to the baskets and as the primary air passes through, it pushes the dust into the ducts downstream.

The dust collects in behind the flow liner and eventually packs in tight enough to rupture expansion joints. The original OEM supplier failed to recognize the potential hazards for this application, and the joint became the cause of several forced outages.

Solution: Holz immediately recognized the problem and replaced the joint with a design that eliminated the collection of dust in the cavity by utilizing a design with a full cavity pillow. The plant has not experienced any further issues at this location.



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