



PROBLEM SOLVED™ PAPER

SOLUTION: Cougar® Pnuematic Piston Vibrator

INDUSTRY: Coal-Fired Power

LOCATION: Bonanza Power Plant Vernal, Utah



Cougar® Pnuematic Piston Vibrators installed on a hopper at the Bonanza Power Plant in Vernal, Utah.



Cougar® Pnuematic Piston Vibrators are suited for use on any storage vessel.

PROBLEM

Coal was hanging up on the hoppers beneath the storage silos. Buildup on the walls of the hopper was a continuing headache for operating personnel and a consistent production bottleneck. The plant resorted to climbing ladders and scaffolding and using sledge hammers to knock the coal loose.

SOLUTION

Bonanza contacted Martin Engineering looking for a cost effective solution. Martin installed Cougar® Pnuematic Piston Vibrators because they deliver powerful sledge hammer blows without damaging the silo or requiring manual labor.

Cougar® Pneumatic Piston Vibrators also help control noise and can handle a heavy work load with limited air supply.

RESULTS

Martin Engineering replaced the sledge hammers with a cost effective solution which much safer and less labor intensive.

Installation was simple and straight forward; requiring minimal time.

Since the installation of the piston vibrators, the plant has eliminated the need to send personnel up on ladders to knock coal loose in the hopper, making the operation safer and more productive.