

midwesco[®]

Case Studies

Coal-Fired Industrial Boiler: Powder River Coal



Powder River Coal; Southwest, US

Highlights:

- 39% increase in flow; from 287,000 to 401,000 ACFM.
- 14.7% drop in average module delta P.
- 4.2% reduction in opacity per ACFM
- On-time installation, exceeded estimated performance and within budget

**WORKABLE SOLUTIONS AT A
COMPETITIVE PRICE!**

Problem: This plant's boiler was load-limited and could not sustain full load operations. They were bag-house-limited, running at 8" delta P and could not maximize the boiler operations due to the limited baghouse flows.

Solution: Midwesco introduced Thermo+Plus[®] pleated elements, using PPS media with ePTFE membrane. We also provided upgraded Mecair[®] high-capacity pulse valves that increased the cleaning capacity by more than 47%. Midwesco provided turn-key service, including filter, offline installation, and operational guidance and assistance.

Results: The boiler can now operate at its maximum output with lower cost-per-ACFM at the baghouse. The boiler is now operating at maximum capacity.

midwesco[®]

Filter Resources, Inc.

385 Battaile Drive (22601)

PO Box 2075 Winchester, VA 22604

Ph. 540.667.8500 Fx. 540.667.9074

www.midwescofilter.com

We Take the **Dust** Out of Industry![™]