

MIDWESCO CASE HISTORIES

Expanding Baghouse Capabilities Using Fabric Technology

PROBLEM:

This plant was experiencing a bottleneck at the pulse-jet baghouse, and could not operate the coal-fired boiler at full load. This limited the plant capacity during the annual sugar campaign. The baghouse was operating at 14" – 15" DP. The plant was actively considering the purchase of a new, larger baghouse.

SOLUTION:

Midwesco introduced our 651TEX woven fiberglass with ePTFE membrane to solve this problem. 651TEX uses a micro-porous ePTFE Membrane to enhance air flows, reduce media drag and enhance ash release.



RESULTS:

Midwesco supplied new cages, a full compartment of 651TEX filterbags, and technical assistance on operating parameters for the baghouse system. This plant can now operate the boiler at maximum capacity with existing equipment, avoiding a large capital expenditure for a larger baghouse.

FOLLOW-UP DATA:

1. Plant operating at full boiler capacity.
2. Baghouse operates at 4" – 7" DP.
3. Cleaning system operations reduced 45%, equals longer bag life.
4. Opacity excursions eliminated.
5. Lower usage of compressed air, and lower costs.

Contact your Midwesco representative to learn more details of this project and others.

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