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## High Temperature Fabrics from Filtration Specialties, Inc. [Specifications](#)

### HUYGLAS® 1607 Case History: Kiln Industry - Lime, Cement and Clay Products

#### **INTRODUCTION:**

Since 1991, Cheney Lime & Cement Company in Alabaster, Alabama has relied on Huyglas 1607 to filter kiln emissions in their Mikropul Pulse Jet Baghouse. In 1995 they replaced a wet scrubber with a second baghouse also using Huyglas 1607 media.

#### **PAST OPERATING HISTORY:**

Before 1991, the plant used a wet scrubber to control kiln emissions. Then, a new preheated lime kiln was installed. The wet scrubber could not meet regulations, so a new pulse jet baghouse was purchased. Huyglas was immediately selected over other materials for its ability to operate at 500°F with low pressure drop.

#### **CURRENT OPERATION:**

The Mikropul baghouse has a total of 1440 Huyglas 1607 bags. The system filters approximately 80,000 ACFM at an air-to-cloth ratio of 3.7:1. Approximately 600 bags are replaced annually for an average life of 2 ½ years (longer life would be expected by replacing entire bag sets). Results of a recent stack test reported particulate emissions to be 50% less than permitted levels. The plant maintains an average  $\Delta P$  of only 5" w.g.

#### **CONCLUSION:**

This case history demonstrates that Huyglas can operate effectively in the most challenging environments. Cheney Lime and Cement Company was so pleased with the performance of the Huyglas in their kiln baghouse, they purchased Huyglas 1607 bags for a second new baghouse with 1200 bags four years later. Both collectors are still working well, and Cheney is saving money because of Huyglas' outstanding efficiency in capturing and releasing particulates.

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