



GORE® Filtration Products

Case history

GORE® Low Emission Filter Bags – Cement Industry

THE CHALLENGE

A global cement producer operating two existing wet process cement kilns with a combined approximate 1.7 million tons per year production embarked on a major plant modification project. The project includes the replacing of the inefficient two wet process kilns with a single state of the art preheater/precalciner kiln capable of producing approximately 2.8 million tons per year. The plant needs to meet NESHAP and New Source Performance Standards (NSPS) regulations with a federal limit of 0.02 pounds per ton of clinker emission level via the Continuous Parametric Monitoring System (CPMS).

THE SOLUTION

The plant installed a brand new Fives TGT® baghouse with significant portions of the clean air plenum manufactured from stainless steel construction to prevent corrosion. The baghouse will be equipped with GORE® Low Emission Filter Bags to position the plant to confidently remain in compliance with the extremely strict operating limits. Gore and Fives Solios have a successful track record of partnering on over 20 kiln baghouses within the North American cement industry.

THE RESULT

The plant will be prepared to meet the strict NESHAP and New Source Performance Standards (NSPS) regulations. The baghouse is slated to begin operation in 2016.



GORE® LOW EMISSION FILTER BAGS:

Seam Tape Content:	ePTFE
Continuous Operation Temp.:	240 °C (465 °F)
Maximum Surge Temp.:	260 °C (500 °F)
Acid Resistance:	Excellent
Alkali Resistance:	Excellent
Durability:	Highly durable in pulse jet and reverse air style collectors
Compatible Backing Materials:	Woven Fiberglass, PTFE Felt, Aramid Felt, Woven PTFE, Polyester Felt

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