



## Tetratex 2

# Lead Acid Battery Mfg.

Western USA

### Initial Conditions

In 1998, a battery manufacturer needed to increase production while at the same time limit the plant's lead oxide dust emissions. For a solution, they turned to a local filter bag converter offering Tetratex® bonded to polyester needle fel. Seeking better results, the manufacturer substituted a new Tetratex® product promising a **higher airflow** while maintaining the **same efficiency rating**.

### Conditions

*Operating Flow	<u>20,000 ACFM</u>	*Particle Size	<u>1-5 µm</u>
*Pressure Drop	<u>&lt;3" w.g.</u>	*Baghouse Type	<u>Pulse Jet</u>
*Max. Temp.	<u>220° F</u>	*Min. Temp.	<u>175° F</u>

### Success Story

The new **Tetratex® 2** membrane filter bags increased the plant's airflow by 25%. Further, the manufacturer's pressure drop, already lowered by the initial standard Tetratex® material, decreased by 33%. The result: Tetratex® 2 membrane cut the system's energy consumption in half and increased production.

### Summary

Tetratex® 2 is the Next Generation of premier membrane filter media, providing solutions to a vast array of pollution control problems. Expanded PTFE membrane yields manifold surface filtration benefits, making it the "Maximum Available Control Technology" (MACT) of filtration materials available in the market today.