



Huyglas[®] from Air Purator Corp.

Case History: Incinerators

INTRODUCTION: Industrial, medical waste and municipal incinerators are subject to stringent particulate regulations. With variations in operating schedules, temperature fluctuations and changes in acidity levels due to the types of material being processed, incinerators need reliable media that not only meets particulate standards but also does not degrade under the harsh operating conditions.

PROBLEM: A medical waste incinerator in the Ohio Valley of the United States installed a baghouse utilizing woven fiberglass. Not only was the woven fiberglass unable to meet filtration efficiency requirements, but also has problems in the changing environmental conditions of the baghouse. Aramids such as P-84 failed within weeks of installation due to inability to withstand the aggressive environment.

SOLUTION **Huyglas[®]** was installed on the baghouse, providing for significantly longer bag life and a dramatic decrease in particulate emissions. Stack testing on the facility showed that particulate emissions were below 0.0009gr/acf once Huyglas[®] bags were installed. **Huyglas[®]** was chosen due to:

- Ability to withstand aggressive acid and/or alkaline environments
- Ability to operate at 550° F with excursions to 600° F
- Durability and longer bag life
- Excellent filtration efficiency

Huyglas[®] will not support combustion and is ideal for environments where sparks may be present.