

# **Acid Gas Control in Utility Baghouses- Pilot-Scale Demonstration**

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## **Abstract**

In conjunction with an ongoing mercury control pilot program, PSE&G is also evaluating acid-gas control utilizing alkaline sorbents. With the inclusion of utilities in the Toxic Release Inventory (TRI) reporting, evaluations were conducted to determine the effectiveness of injecting calcium- and sodium-based sorbents upstream of a 1 Mwe pilot baghouse to control acid gas emissions ( $\text{SO}_2$ ,  $\text{SO}_3$ ,  $\text{NO}_x$ , and  $\text{HCl}$ ).  $\text{SO}_3$  is of interest because of acid condensation issues such as corrosion and fabric life in COHPAC (polishing baghouse) applications.  $\text{HCl}$  and  $\text{H}_2\text{SO}_4$  (formed from  $\text{SO}_3$ ) are, of course, reportable in 1998 under TRI requirements. This discussion presents results from our recent tests and experience to date.