

## Effectiveness of US Mercury Control Strategies at Coal-Fired Power Plants and Applicability to European Plants

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### ABSTRACT

As part of the Mercury and Air Toxics Standard (MATS), coal-fired power plants must report their hourly mercury emissions to the US Environmental Protection Agency (EPA). Plants in the US employ a variety of strategies to reduce mercury air emissions. We combine nine months of US mercury emissions data for all coal-fired power plants reporting emissions with information on the control technologies employed at specific plants in order to assess the efficacy of different control strategies as a function of both Hg control strategy and type of coal being combusted. Coal-fired boilers in the European Union (EU) use similar air pollution control technologies, but the US experience with mercury control cannot be directly applied to EU plants without consideration of control technology and type of fuel. A subset of US plants with similar configurations to EU plants was also selected to examine the potential efficacy of mercury controls when applied to EU plants. Results of both of these analyses will be presented.