

PRESENTATION

Technology Evolution due to Clean Air Regulations for Coal-Fired Power Plants

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Over the last two decades, the Clean Air Act has required significant reductions in air emissions from major sources such as coal-fired power plants, which has resulted in many major emissions control technology installations. The regulatory drivers have influenced the type of emissions control technology applied based on the type of regulatory structure outlined in the Clean Air Act to address the pollutant of issue. Due to the complexity of the current regulatory requirements, emissions control technologies that were initially designed for a particular pollutant are now being enhanced to achieve reductions of multiple air pollutants, meet increasingly stringent emissions limits, reduce consumption of water/reagents/parasitic power, create suitable byproducts, and also be cost effective. The presentation will discuss some of the emissions control technology trends to address emerging environmental challenges of control air emissions from coal-fired power plants.