STATE OF SORBENT-BASED MERCURY MONITORING AT COAL-FIRED POWER PLANTS

Timothy D. Rodak, James E. Wright, Volker Schmid



Summary

Despite a 2008 court ruling that eliminated the U.S. Environmental Protection Agency's (EPA) federal Clean Air Mercury Rule (CAMR), many coal-fired power plants have been monitoring mercury emissions for the past three years in order to comply with individual state requirements, consent decrees or to evaluate mercury emission and monitoring technology for future considerations.

Although originally intended as either a back-up to or a way of independently validating continuous emissions monitoring systems (Hg CEMS), sorbent trap monitoring systems (STMS) have become accepted as a primary monitoring approach.

This poster examines long-term emissions and compliance data generated by sorbent trap systems currently operating at three coal fired utility plants. An evaluation of the trends and operating considerations that lead to increased data availability, expectations from operation of sorbent trap systems and the lessons learned from over 125,000 hours of operation are highlighted.





