



Effluent Limitation Guidelines (ELG) Compliance for Power Plants

The EPA has revisited the water standards and updated them for the newer technologies available for control. The targeted pollutants are Mercury, Arsenic, Selenium, Nitrates/Nitrites, and Total Dissolved Solids. It is critical to ensure you are getting the highest quality data to drive the decisions on your control options. Ohio Lumex offers products and services specifically for ELG compliance testing and control technology evaluation.

Products



Selenium and Arsenic Sorbent Traps

Designed specifically in response to ELG, Se and As sorbent traps can be sampled using the same sampling equipment as Mercury (Hg) sorbent traps. Many plants are considering reagent injection technologies pre-ESP in order to convert gas-phase selenium to particulate-bound selenium so that it can be removed before reaching the FGD. Ohio Lumex has developed the selenium sorbent trap as a means to obtaining accurate and cost-effective measurements.

Portable Sorbent Trap Sampling System

The OLM30B Sorbent Trap Sampling System is small, light-weight, durable, and compatible with our full line of sorbent traps including Selenium and Arsenic sorbent traps.



Atomic Fluorescence Spectrometer

Used for the analysis of selenium, arsenic, and other elements in effluent, the analyzer features excellent accuracy, high sensitivity, and simple operation.

Services

Laboratory Analysis

Ohio Lumex's laboratory specializes in analysis of sorbent traps, FGD slurry, and effluent. Our standard turnaround time is 3-5 business days, with expedited analysis available, including Same Day Rush.



Field Services

Ohio Lumex provides both on-site sorbent trap sampling and on-site analysis for challenging measurements such as Se, As, Hg, NH₃, SO₃, and HCl/HBr. Testing can be performed throughout the plant including difficult locations such as SCR, ESP, and FGD.



Sorbent Evaluation Services

Ohio Lumex offers Sorbent Evaluation Services for low cost/low impact testing of different control technologies without going through the hassle and expense of full scale trials. Our capabilities include determining the relative effectiveness of sorbents in removing mercury (Hg) and selenium (Se) from flue gas. For more information, please visit www.ohiolumex.com/sorbent-evaluation-services.

