



Continuous Emission Monitoring System

CEM is the continuous measurement of pollutants emitted into the atmosphere in exhaust gases from combustion or industrial processes. The EPA has established requirements for continuous monitoring of SO₂, volumetric flow, NO_x, diluent gas, and opacity for units regulated under the Acid Rain Program. In addition, procedures for monitoring or estimating carbon dioxide (CO₂) are specified. The CEM rule also contains requirements for equipment performance specifications, certification procedures, and recordkeeping and reporting.

I. Introduction and Overview

- Terms and Acronyms
- General Safety Requirements
- Air Pollution Fundamentals

II. Continuous Emission Monitoring

- General Classifications of CEMS
- Components of CEMS Systems
- Usage of CEMS Systems
- Miscellaneous Discussion Items