

# Emissions Calculations

Emissions Calculations: 1.5 days

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Background:

This course was developed in 2004 and has been presented several times.Â It is not available from the EPA APTI library of courses.

Benefits:

This course explains how measured emissions data relates to reported emission rates.Â I covers the air dilution correction, conversions between different forms of emission rate such as ppm and lb/mmbtu.Â It explains how to compare data from a wet CEM system with rules written for dry concentrations.

Target Audience:

(1) Anyone who wants to understand the origin an rationale for the various emission calculation formulas.Â (2) Regulatory staff who may need to deal with emission rate rules or CEM/test data expressed in a variety of units.

Course Topics:

- Measured versus reported data
- Gas volume relationships
- How to work with wet and dry sample data
- Compensating for varying air dilution
- ppm versus lb/mmBtu