

# Air Pollution Control

The dynamic transitions occurring in business and government, including the rapid changes in technology and sweeping new legislation, continue to challenge the environmental community. These changes are mandating redefined priorities and increased workloads that must be accomplished with tight budgets. Today, more than any time in the past, it is essential that concerned and affected employees receive quality training to keep current with this accelerated evolution.

This course covers pollution history, the procedures required to properly evaluate emissions, the analysis of industrial processes, theory and application of emission controls, and waste stream reduction. The focus is on maintaining compliance with applicable laws and regulations.

## Course Outline:

### Module 1

#### Air Pollutants and their effects

- Carbon Monoxide (CO)
- Hydrochlorofluorocarbons (HCFC)
- Lead (Pb)
- Nitrogen Oxides (NOx)
- Particulate Matter (PM)
- Sulfur Dioxide (SO<sub>2</sub>)

### Module 2

#### Air Pollution

- Acid Rain
- Smog
- Ozone Depletion

### Module 3

#### Air Pollution Monitoring

- Emission Factors
- Measurement
- Modeling
- Monitoring

### Module 4

#### Air Pollution Legal Aspects

- Regulations
- Guidance
- Standards
- Legislation
- Permits

### Module 5

#### Air Quality

- Clean Air Criteria
- Measurement
- Emission Factors
- Monitoring
- Nonattainment

### Module 6

#### Effects of Air Pollution

- Environmental Effects
- Health Effects

### Module 7

#### Control

- Abatement
- Mitigation
- Remediation

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