

National Air Compliance Training Program

NACT 299

Theory & Application of Common Air Pollution Control Devices

Tentative Agenda

Day 1

Power Plant Emission Control Equipment

- 8:30 Introductions
- 8:45 Introduction to Control of Air Pollution
- 9:00 Control of Power Plant Emissions - CO Catalysts
- 9:30 Control of Oxides of Nitrogen (NO_x)
- 10:00 Break
- 10:15 NO_x Controls
- 11:15 Break
- 11:30 Control of Particulate Emissions and Ammonia Slip
- 12:00 Lunch

Control of Volatile Organic Compounds

- 1:00 Introduction to VOCs and HAPs
- 1:15 Introduction to VOC Control
- 1:30 Material Usage Minimization and Waste Containment
- 1:45 Absorption
- 2:00 Break
- 2:45 Absorption and Adsorption
- 3:15 Break
- 3:30 Capture & Destroy -- Capturing Emissions & Oxidation
- 5:00 Adjourn

Day 2

Control of Particulate Emissions

- 8:30 Introduction to Control of PM
- 8:45 Cyclones and Baghouses
- 9:30 Baghouses and Electrostatic Precipitators
- 10:00 Break
- 10:15 ESPs and Scrubbers
- 11:00 Break
- 11:15 Particulate Filters and Gas-Fired IC Engine Controls
- 12:00 Lunch
- 1:00 Plant Visit
- 4:30 Questions, Course Exam and Review