

National Air Compliance Training Program

CARB 299

Theory & Application of Common Air Pollution Control Devices

Tentative Agenda

Day 1

Power Plant Emission Control Equipment

- 8:30 Introductions and Course Overview
- 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 Control Techniques and Equipment (SCR)
- 11:15 Break
- 11:30 SNCR, Control of Particulate Emissions, Ammonia Slip
- 12:30 Lunch
- 1:30 Load Bus for Power Plant Visit – Dominion Chesterfield
- 4:30 Scheduled Arrival (time approx.) at Hotel

Day 2

Control of Volatile Organic Compounds

- 8:30 Introduction to VOCs and HAPs
- 8:45 Introduction to VOC Control
- 9:00 Material Usage Minimization and Waste Containment
- 9:15 Absorption and Adsorption
- 10:00 Break
- 10:15 Adsorption
- 11:00 Break
- 11:15 Incineration -- Capturing Emissions & Oxidation
- 12:00 Lunch

Control of Particulate Emissions

- 1:00 Introduction to Control of PM
- 1:15 Cyclones and Baghouses
- 2:15 Baghouses and Electrostatic Precipitators
- 3:00 Break
- 3:15 ESPs, Scrubbers, Particulate Filters
- 4:00 Break
- 4:15 Gas-Fired IC Engine Controls
- 4:30 Questions, Course Exam and Review