# **National Air Compliance Training Program**

**NACT 299**

## Theory & Application of Common Air Pollution Control Devices

## Tentative Online Agenda

**Day 1**

**Power Plant Emission Controls**

 9:00 Introductions

 9:15 Introduction to Control of Air Pollution

 9:30 Control of Power Plant Emissions - CO / Oxidation Catalyst

**10:00 Break**

10:15 Formation and Prevention of Oxides of Nitrogen (NOx)

10:45 NOx Controls

**11:00 Break**

11:45 Control of Particulate Emissions and Ammonia Slip

**12:15 Lunch**

**Control of Volatile Organic Compounds (VOCs)**

 1:15 Introduction to VOCs and HAPs

 1:30 Introduction to Control of VOCs

 1:45 Material Usage Minimization and Waste Containment

 2:00 VOC Capture

 **2:15 Break**

 2:30 Absorption (VOC and Others)

 3:00 Adsorption

 3:30 Adjourn

**Day 2**

**Control of Volatile Organic Compounds (Continued)**

 9:00 Capture & Destroy -- Capturing Emissions & Oxidation

**10:30 Break**

**Control of Particulate (PM) Emissions**

10:45 Introduction to Control of PM

11:00 Cyclones and Baghouses

**11:45 Lunch**

12:45 Baghouses and Electrostatic Precipitators (ESPs)

 1:15 Scrubbers

 **2:00 Break**

 2:15 Particulate Filters and Gas-Fired IC Engine Controls

 3:00 Summary Review and Questions

 3:30 Adjourn