



INSTITUTE OF
CLEAN
AIR
COMPANIES

COAL-GEN[®]

**ICAC Coal-Gen Pre-Conference Workshop
August 15, 2006
Duke Energy Center, Cincinnati, OH
2nd Floor Room 208**

**Control Equipment Design and Operation for New
Regulations:**

The Institute of Clean Air Companies invites you to attend an in-depth discussions and interactive Q&A sessions on the controls, measurement, and their practical design and operational issues.

Coal-fired power plants have a series of complicated decisions to make regarding their control equipment selection and operation due to the ever increasing complexity of air regulations. New regulations require the integration of control equipment design and the consideration of the effects of control equipment on plant operation. This workshop pulls together the collective experience of many air pollution control and measurement industry experts and presents the information in a workshop format designed to maximize discussion and Q&A between participants and presenters. The workshop will feature presentations and panels on: Mercury Control; SO₃ and Condensible Control; and Emissions Measurement for Hg, SO₃, and Condensibles. The general theme will be to discuss specific issues for each of the main topics, providing relevant information about the operation and design of equipment that is currently under bid, being purchased, or beginning operation. See back for program agenda details.

Cost: \$500 for Workshop; \$700 for Workshop & Full Coal-Gen Conference Upgrade
Where: Coal-Gen Conference, Duke Energy Center, Cincinnati, OH
Who Should Attend: Power Plant Managers, Engineers, & Operators; A&Es; APC Vendors; Regulators; and those who are involved with the procurement, design, or operation of APC equipment.

The Institute of Clean Air Companies is the nonprofit national association of companies that supply air pollution monitoring and control systems, equipment, and services for stationary sources. For more about ICAC go to www.icac.com.

Workshop Agenda

Tuesday, August 15, 2006

7:00 am to 5:00 pm ICAC & COAL-GEN Registration

Session 1: Mercury Compliance Strategies for Controls and Measurement

8:00 am to 10:00 am **Mercury Co-Benefit Control Panel**

FGD System Enhancements to Maximize Co-benefit Control *Scott Renniger, B&W*

Optimizing SCR Catalyst for Hg Oxidation and Control *Tom Hastings, Cormetech*

Fabric Filters Considerations for Hg Control on High Sulfur Coals *David Sloat, S&L*

10:00 am to 10:30 am *Break*

10:30 am to 12:00 pm **Mercury Specific Control Panel**

Summary of ACI Experience with ESP, Furnace Injection, and Fabric Filters *Mike Durham, ADA-ES*

ESP/FF Design and Operation for High Carbon Applications *Richard Miller, ADA-ES*

How to Specify Sorbents for New Hg Systems *Rob Nebergall, NORIT Americas*

12:00 pm to 1:00 pm *Lunch*

1:00 pm to 3:00 pm **Mercury Compliance Monitoring Panel**

Selecting a Hg CEMS System and Supplier *Michael Corvese, Thermo*

Measuring with Sorbent Traps *Eric Prestbo, Frontier GeoSciences (invited)*

Essentials to Complete Your Mercury CEMS *Steve Mandel, Spectra Gases*

3:00 pm to 3:30 pm *Break*

Session 2: Control and Mitigation of Incidental Emissions

3:30 pm to 5:30 pm **Preventative Measures for SO₃ and Condensable Emissions and Investigating Measurement Issues Panel**

WESP and FGD/WESP Applications *Ron Triscori, B&W*

Sorbent Technologies *Jeff Arroyo, Segal Inc.*

Innovative SCR Catalyst Formulations *Cindy Khalaf, Argillon*

Measurement Issues New and Existing Coal-Fired Generation