



Electrostatic Precipitator (ESP) Troubleshooting Workshop

Hilton Garden Inn, 220 Eagle Crest Drive, Evansville, Indiana. August 3 and 4, 2010.

Participants in this two-day troubleshooting workshop will learn how to recognize, explain and offer methods of remedying common ESP performance issues, using existing controls and information on hand.

Tuesday, August 3, 2010

8:00am – Welcome and Morning Refreshments

8:30am – Morning Sessions Begin

ESP Theory

Power Control Application Sessions

Topics include:

- V/I curves
- Sparking
- SCRs
- Scope traces
- Conduction angles
- Resistivity
- Set points vs. readings

Noon – Lunch

12:30pm – Afternoon Sessions Begin

Rapping Control Application Sessions

Topics include:

- Rapping Intensity
- Rapping programs
- Agglomeration
- Opacity plots
- Power-off rapping

2:30pm – Sessions End

Wednesday, August 4, 2010

8:00am – Welcome and Morning Refreshments

8:30am – Morning Sessions Begin

Rapping Control - Continued

ESP Internals Application Sessions

Topics include:

- Leakage and clearance issues
- Ventilation and insulation
- Gas flow distribution
- + and – pressure
- Ash evacuation systems

Noon – Lunch

12:30pm – Afternoon Sessions Begin

ESP Internals - Continued

What's Next?

Discussion about what you learned and how it will be used on the job.

- What applies immediately?
- What applies long-term?
- What else would be useful?

2:30pm – Sessions End