

WPCA / LG&E and KU Seminar

Coal-fired APC Environmental Seminar

hosted by LG&E and KU / Marriott Louisville East, Louisville, KY

Tuesday, May 23, 2017

8:00-9:00	Registration - Bluegrass Salon C (coffee and tea)
9:00-10:00	PJFF Hg re-emissions – When do re-emissions occur? How to mitigate re-emissions? by <i>Connie Senior, ADA-ES</i>
10:00-10:30	BREAK (Bluegrass Ballroom)
10:30-11:30	<p style="text-align: center;">PJFF O&M by <i>Mike Allen, Clarcor</i></p> <p>* Proper PJFF Online Bag extraction procedures. * Proper PJFF shutdown procedures – purging the system after shutdowns. * Experience with PJFF bag cleaning vs. PJFF bag change outs. * Gas distribution</p>
11:30-12:00	<p style="text-align: center;">FF Flow Modeling for Optimization of Performance and O&M by <i>Kanthan Rajendran, Airflow Sciences</i></p>
12:00-1:00	LUNCH (Bluegrass Ballroom)
1:00-1:30	<p style="text-align: center;">ESP Detuning – experience, strategies for de-tuning by <i>Gerry Klemm, Southern Company</i></p>
1:30-2:00	<p style="text-align: center;">WFGD chemistry/operations and impacts on WWT by <i>Thomas Wideman, Southern Company</i></p>
2:00-3:00	<p style="text-align: center;">Selenium Panel / Chairman: <i>Connie Senior, ADA-ES</i> <i>Panelists: Stephen Langham, Southern Company; Mandi Richardson, AECOM</i></p> <p>a. Fate of selenium through the flue gas path (ex. Southern Company has seen lower selenium in the scrubber after moving hydrated lime upstream of AHs and installing PJFFs; they claim they've seen 75% total selenium reduction across the PJFFs) b. Effects of CaBr₂ on total selenium in the scrubber (data had shown the CaBr₂ results in more total Se in the scrubber slurry) c. Selenate vs. selenite – WFGD chemistry on the effect of selenium speciation</p>
3:00-3:30	BREAK (Bluegrass Ballroom)
3:30-5:00	<p style="text-align: center;">Hydrated Lime Panel / Chairman: <i>Curt Biehn, MS Lime / Panelists: Cal Lockert, MS Lime; Mitch Lund, Nol-Tec; Darren Hanby, AEP; Chad Donner, Duke Energy; Sean Dooley, Clean Air Engineering; Kanthan Rajendran, Airflow Sciences</i></p> <p>* HCl removal using hydrated lime – experiences, testing, current data? * Hydrated lime injection for SO₃ control – anyone implementing improved injection schemes? (Opportunity for Trimble to report on your lanceless system)? * Low temperature operation experience and solutions – hydrated lime or other sorbent injection prior to SCR, operating regimes for below MOT? * Arsenic mitigation systems – specifically does anyone have data on the impact of arsenic poisoning resulting from the addition of lime upstream of the SCR?</p>

Wednesday, May 24, 2017

8:30-9:00	Registration - Bluegrass Salon C (coffee and tea)
9:00-9:30	<p style="text-align: center;">Sulfite Probes Compared to ORP Monitors? by <i>Gary Blythe, AECOM</i></p>
9:30-10:00	<p style="text-align: center;">Regeneration Experience by <i>Mike Mattes, STEAG SCR-Tech</i></p> <p>* Specifically the activity and conversion results of the regen * The deactivation rate of regen material compared to new</p>
10:00-10:30	BREAK (Bluegrass Ballroom)
10:30-11:00	<p style="text-align: center;">Where Is the NOx Industry Going with Air Emission Technologies by <i>Nate White, Haldor Topsoe</i></p> <p>* New NOx Technology; * Options for disposing spent catalyst</p>
11:00-12:00	<p style="text-align: center;">CSAPR II Compliance Plans – any novel approaches, construction or modification plans? <i>Discussion moderated by Michael O'Connor, Dynege</i></p>

Seminar Information

Hotel Information

Marriott Louisville East
1903 Embassy Square Blvd., Louisville, KY 40299
502-491-1184 / www.marriott.com/sdfls
\$162

Who can attend? All End Users and WPCA Corporate Sponsors

Cost of Seminar? Free to Equipment Users

Register online at www.WPCA.info