

WPCA/Duke Scrubber Seminar

June 3, 2004 - Thursday (Hilton Charlotte University Place, Charlotte, NC - University Ballroom)

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| 7:45 to 8:00 | Welcome by WPCA Chairman, William Armiger, EPSCO & Safety Tip by Scott Williams, Duke Energy | | |
| 8:00 to 8:30 | Keynote Speaker/ Duke Update by Jim McCarthy, Duke Energy | | |
| 8:30 to 9:30 | Wet Scrubber Systems Fundamentals by Phil Rader, Alstom | | |
| 9:30 to 9:45 | University Ballroom E (Group A) | BREAK (rooms separated) | University Ballroom D-C (Group B) |
| 9:45 to 10:30 | Absorber Island Components by Phil Rader, Alstom | 9:45 to 10:45 | Limestone Island Components by Hugh Benedict, Metso |
| 10:30 to 11:00 | Oxidation Systems / Equipment by Phil Rader, Alstom | 10:45 to 11:30 | Scrubber Metallurgy by Mike Rini, Alstom |
| 11:00 to 12:00 | Dewatering Island Components by Jerry Hunt & Bill Timmins, Dorr Oliver-EIMCO | 11:30 to 12:00 | Scrubber Controls by Dave Muraskin, Alstom |
| 12:00 to 1:00 | LUNCH (provided by Alstom in University Ballroom A&B) | | |
| 1:00 to 1:30 | Waste Water Handling by Dr. John Rodgers, Clemson Un. | 1:00 to 1:30 | Booster Fans: Selection and Maintenance Considerations in FGD Systems by John Landis, TLT Babcock, Inc. |
| 1:30 to 2:00 | Slurry Pumps by Jim Burke, Weir Slurry | 1:30 to 2:15 | Stacks: corrosion, linings and height by Victor Bochicchio, Hamon Custodis |
| 2:00 to 2:15 | BREAK | | |
| 2:15 to 3:15 | Agitators & Mixing Vessels by Jerry Baresich, EKATO | 2:30 to 3:15 | CFD for Scrubbers by Brian Dumont, Airflow Sciences |
| 3:15 to 3:45 | Organic Acids to Boost Scrubber Performance by Jurgen Dopatka, Alstom | 3:15 to 3:45 | Wet ESPs - a finishing device by Buzz Reynolds, CR Clean Air Technologies |
| 3:45 to 4:00 | BREAK (University Ballroom C,D & E combined) | | |
| 4:00 to 6:00 | O&M Panel Discussion Joe Tomlinson, PacifiCorp; Mickey Wyman, Reliant, Mark Golightly, FE; Bob Candelaria, SRP | | |
| 6:00 to 7:00 | Alstom Reception in the Glenwaters Room | | |

June 4, 2004 - Friday (Hilton Charlotte University Place, Charlotte, NC - University Ballroom)

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| 8:00 to 8:15 | Safety Tip by Scott Williams, Duke Energy | | |
| 8:15 to 9:30 | Planning, Construction and Start Experience Joe Tomlinson, PacifiCorp; Richard Gast, Shaw Group; Mickey Wyman, Reliant; Bob Candelaria, SRP; Bill Harding, Alstom | | |
| 9:30 to 9:45 | University Ballroom E (Group A) | BREAK (rooms separated) | University Ballroom D-C (Group B) |
| 9:45 to 10:45 | Limestone Island Components by Hugh Benedict, Metso | 9:45 to 10:30 | Absorber Island Components by Phil Rader, Alstom |
| 10:45 to 11:30 | Scrubber Metallurgy by Mike Rini, Alstom | 10:30 to 11:00 | Oxidation Systems / Equipment by Phil Rader, Alstom |
| 11:30 to 12:00 | Scrubbers Controls by Dave Muraskin, Alstom | 11:00 to 12:00 | Dewatering Island Components by Jerry Hunt & Bill Timmins, Dorr Oliver-EIMCO |
| 12:00 to 1:00 | LUNCH (provided by Alstom in Ballroom A&B) | | |
| 1:00 to 1:30 | Booster Fans: Selection and Maintenance Considerations in FGD Systems by John Landis, TLT Babcock, Inc. | 1:00 to 1:30 | Waste Water Handling by Dr. John Rodgers, Clemson Un. |
| 1:30 to 2:15 | Stacks: corrosion, linings and height by Victor Bochicchio, Hamon Custodis | 1:30 to 2:00 | Slurry Pumps by Jim Burke, Weir Slurry |
| 2:15 to 2:30 | BREAK | | |
| 2:30 to 3:15 | CFD for Scrubbers by Brian Dumont, Airflow Sciences | 2:15 to 3:15 | Agitators & Mixing Vessels by Jerry Baresich, EKATO |
| 3:15 to 3:45 | Wet ESPs - a finishing device by Buzz Reynolds, CR Clean Air Technologies | 3:15 to 3:45 | Organic Acids to Boost Scrubber Performance by Jurgen Dopatka, Alstom |
| 3:45 to 4:00 | BREAK (Ballroom C,D & E combined) | | |
| 4:00 to 5:00 | Open Discussion : Moderated by Scott Williams, Duke Energy | | |