Dry Scrubber Hot Topic Hour

Webinar on October 23, 2014
Agenda

Speakers today

• Mike Widico and Kevin Cosman - KC Cottrell
• Paul Farber - Farber
• Discussion of Dry Scrubber Users Conference with Shawn Veurink of RPM
• Chinese Dry FGD and
  – presentation by Jianchun Wang of Lonjing and
  – discussion of byproduct paper by Lonjing
• Joe Riley - BoldEco
• SDA hybrid with DSI and other SDA parameters
Dry Scrubber User Conference

- **Sherco 3 Plant Report** - Larry Glass, Engineer Sherburne County Generating Plant
- **Michael Polachek**, - Technical Manager PSEG Fossil
  *Dry Scrubber Layup Strategies*
- **JW Turk Plant Report** - Craig Henry
- **Darren Farnworth**, (Regional Sales Mgr., SST Enviro Corp Solutions,) *Significant Improvements Made in Lime Slurry Preparation for Use in SO₂*
- **Comanche Station Plant Report** - Jeff Lester
- **John Kersch** (Maintenance Manager, NAES Corp. Logan Generating Company)
  *Logan Generating Plant Scrubber Optimization Project*
- **Jim Butz** (VP Product Management, Novinda Corporation)
  *BOP Impact of Amended Silicates for Mercury Control*
- **PSEG Mercer & Hudson Plant Report** - Steve Rudolph and Michael Polachek
Chinese articles

• Longking Designs Multi-Unit Dry FGD towers at Sangang Plant
• Longking Dry Scrubbing at Baosteel Plant
• Huaneng Shanxi Yushe Power Plant 2 × 300MW dry desulphurization project (华能山西榆社电厂2×300MW干法脱硫除尘工程)

• Over 140 installations of MET/ITPE dry scrubber
SDA and Hybrid with DSI

- **SDA units supplied by B&W are meeting MATS compliance**
  - Five spray drier scrubber systems furnished by B&W are performing at well below the MATS HCl limit of 0.002 lbs/Mbtu, the mercury limit of 1.2 lbs/Mbtu, and the filterable pm limit of 0.03 lbs/MBTu.

- **Boosting SDA efficiency with DSI at Wygen 3**
  - The SDA is challenged to meet efficiency when the flue gas temperature is low or the Sow concentration is high. B&W found out how to improve efficiency under these conditions at Wgen 3. The answer is to inject dry hydrated lime. So in effect you are combining DSI and SDA.

- Does DSI addition to SDA make it more competitive with CFB in terms of efficiency at higher sulfur levels?

- What are the conclusions of the GEA experience in Europe?

- How is SDA being used in China?

- Does atomizer maintenance requirement reduce operability?