#### **Dry Scrubber Hot Topic Hour** THE MCILVAINE COMPANY

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#### 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
- <u>Michael Polachek</u>, 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 SO<sub>2</sub>
- <u>Comanche Station Plant Report</u> Jeff Lester
- <u>John Kersch</u> (Maintenance Manager, NAES Corp. Logan Generating Company) Logan Generating Plant Scrubber Optimization Project
- <u>Jim Butz</u> (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

- <u>SDA units supplied by B&W are meeting</u> <u>MATS compliance</u>
- 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.
- <u>Boosting SDA efficiency with DSI at</u> <u>Wygen 3</u>
- 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?