

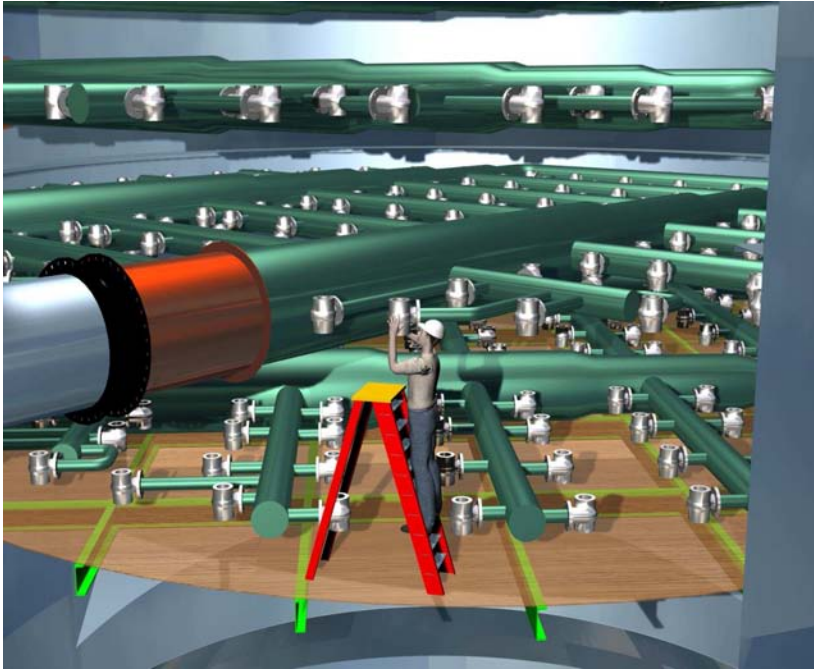
Reinhold Environmental Ltd.



2009 APC Round Table & Expo Presentation

July 12-14, 2009, in The Woodlands, TX

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APC/PCUG Conference

Wet & Dry FGD What is
The Future?

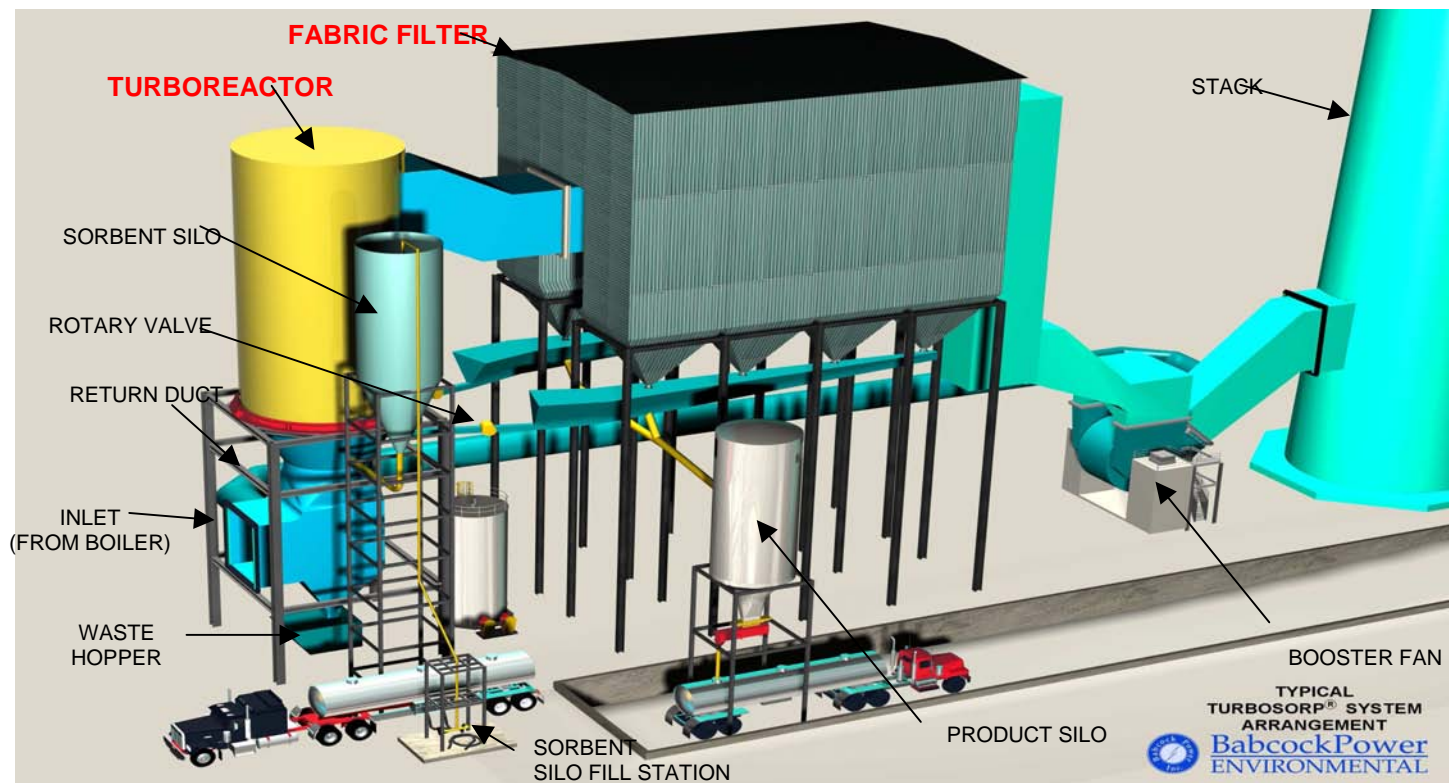
Tony Licata

Babcock Power Environmental Inc



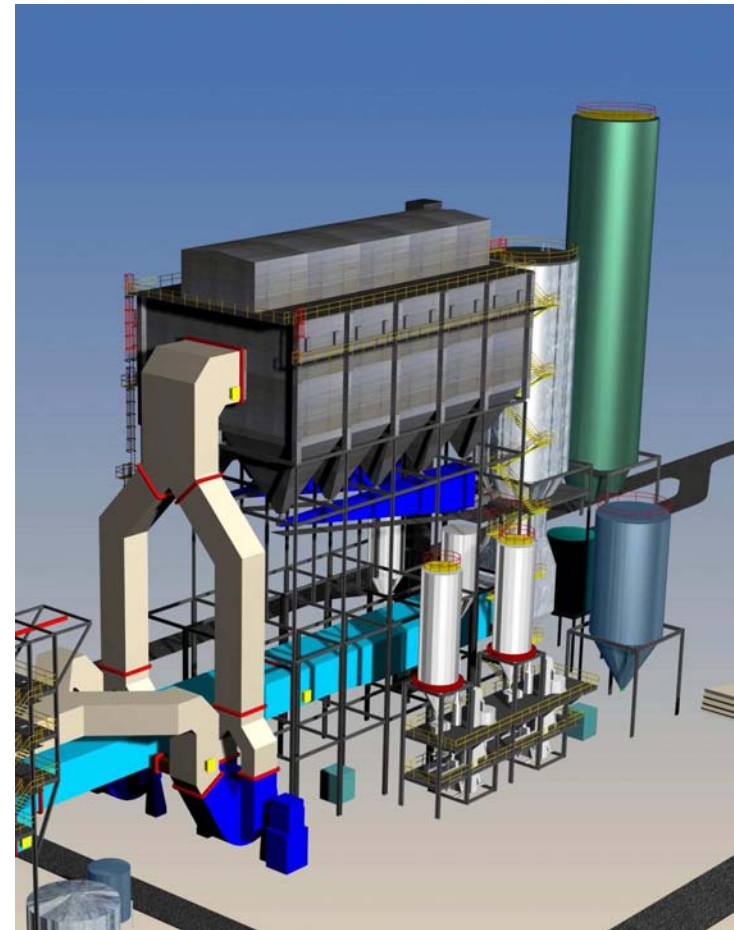
Discussion

- Spray Dryers - Kevin Redinger
- Comparison of Dry FGD Technologies – Paul Farber
- Lime Handling -Howard Fitzgerald



Dry FGD Market

2004	8.6%
2005	11.9%
2006	28.6%
2007	14.6%
2008	66.5%
2009	62.8%
2010	21.0%
2011	22.5%
2012	18.6%



Source ICAC

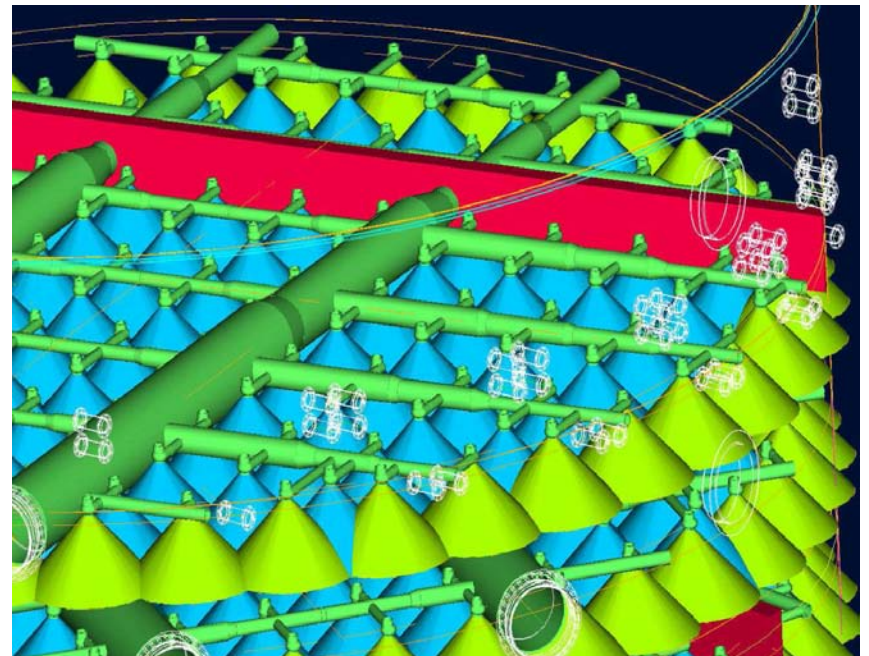
Comparison

- Dry FGD

- Do not need wet stack
- Multi Pollutant control
- Stable byproduct
- Carbon steel
- 1/3 less water
- Lower power consumption
- Plume buoyancy
- Liquid waste
- 98% removal on 5+lb S coal

- Wet FGD

- Lower cost sorbent
- Saleable by product??
- Lower emission levels
- Lower pressure drop
- 99% removal on 8 lb S coal



FGD Sorbent Usage

Tons of Sorbent per Ton of SO₂ Removed

Technology	Sorbent	Sorbent \$/ton	Tons/ton removed
WFGD	Limestone	\$15	1.8
WFGD	Lime	\$100	1
Turbosorp	Lime	\$100	1.5

