

**REINHOLD ENVIRONMENTAL®**



**2025 Reinhold/PCUG Round Table Presentation**

Hosted by AEP and Buckeye Power

in The Hilton Columbus Polaris Hotel, Columbus, OH

on June 23-24, 2025

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2025 Reinhold Conference

# Scrubber Hot Topics and Lessons Learned

Panelist: Ann Palmer – Southern Company Services  
Tom Kaforey – AEP  
John Brotherton – Duke Energy

# Agenda

- Introduction of Panelist
- Compliance Impacts to Scrubber
- Materials of Construction and Equipment Issues
- Operational Experience/Changes/Lessons Learned
- Final tips & takeaways

# Introduction of Panelist

- Ann Palmer – Southern Company Services
- Tom Kaforey – AEP
- John Brotherton – Duke Energy

# Compliance Impacts to Scrubber

- SO<sub>2</sub> – Limestone quality and gypsum quality standards
- MATS/Opacity – More re-emission/high Hg stack events; Real vs CEMS Contamination; Low load impacts with new reg; ME considerations
- ELG – Water balance and ZLD impacts

# Materials of Construction and Equipment Issues

- Lead Times
- Spare Parts
- FGD Absorber Tower 2205 Corrosion
- Component Wear - gear boxes; pump wear (checked?)
- Expansion Joints – Molded corners, pillow
- Checking remaining life of large diameter FRP pipe
- Non-spitting valves
- Pump packing and mechanical seals
- Density meters

# Operational Experience/Changes/Lessons Learned

- Erosion of Knowledge – Retirements; Loss of Tribal Knowledge; Procedures on what to do when unexpected events happen (Ex. SO<sub>2</sub> removal decrease, gypsum purity decrease, blinding events)
- New fuels – High S, Low S, Mixes, Coal Pile Mysteries
- Chemistry sampling / testing – what's still being done vs. Day 1 practice and how little can you get by with?
- Supply chain issues/best practices
- Station service best practices and ideas (Running plants longer than expected)

Final Tips &  
Takeaways

Questions?