



52nd Annual Meeting
The Coeur d'Alene Resort in Coeur d'Alene, Idaho
March 15-17, 2022

Meeting Minutes

Wednesday, March 16, 2022

- The conference was opened by 2022 WRBA Chair John Boyd
- Introduction of Attendees and Steering Committee
- Legal Presentation and Financial Report were given by WRBA Treasurer Greg Wiggins
- Review of Agenda / Announcements were given by WRBA Event Manager Lisa Harvey-Boyd

Click on the [red](#) links to open the presentations in .pdf format, click the [blue](#) links to go to the company websites. **RIGHT CLICK** each link to keep this page open.

Presentation #1 [Zampell Refractories](#)

["Review of Zampell's new patented refractory system"](#)

Presentation #2 [The Babcock & Wilcox Company](#)

["Induction Heat Tube Extraction \(IHTE\) for Boiler & Heat Exchanger Retubing Projects"](#)

Presentation #3 [Nalco Water](#)

["Best practice layup procedures for short term and long term boiler outage."](#)

Presentation #4 [Montrose Environmental Group, Inc.](#)

["Air regulations, focus on detection limits"](#)

Presentation #5 [MacDonald-Miller Facility Solutions](#)

["Case Study: Facility Upgrade of Burner & Control System"](#)

Presentation #6 [Bureau Veritas](#)

["Boiler Safety: Four Major Perils"](#)

Presentation #7 [Airstream Systems Inc.](#)

["Variable Frequency Drives \(VFDs\) in Fan Systems"](#)

Presentation #8 [Coffman Engineers, Inc.](#)

["Boiler Plant Piping"](#)

Thursday, March 17, 2022

Presentation #9 [PCE Pacific, Inc.](#)

“Steam University – Pressure Relief Valves, Regulators, Steam Trapping Fundamentals”

PRV safeties

Presentation #10 [Mechanical Dynamics & Analysis](#)

“Turbine over speed issues”

Presentation #11 [Detroit Stoker Company](#)

“Combustion Efficiency Improvement for Grate Fired Boilers”

Q: What’s the smallest size you can grind the ash? A: The ash grinder can be adjusted to a thousandth of an inch.

Presentation #12 [Flow-Tech Industrial](#)

“Non-Chemical / Physical Water Treatment”

Q: Does it continue the signal through media in a cooling tower? A: Converting TDS to TSS. Get some splatter scale as chemical uses. Just easier to clean. Scale stays static in suspension. Signal will disperse in big bodies of water and when it goes into a tank. Technolgh will last for three days after it’s shut off verses chemicals that can only pump so long. Can’t eliminate but reduce lay 10x.

Presentation #13 [Enero Solutions Inc](#)

“Steam generation optimization of biomass boilers using advanced controls and AI”

Presentation #14 [CEMTEK KVB-Enertec](#)

“Integrated Path CEMS for Compliance and Process Monitoring”

Q: Does it effect opacity? A: No, we go around the probes. Particulate would interrupt if particles are too big.

Presentation #15 [Gecko Robotics](#)

“Robotic Inspection Solutions for Boiler Tubes”

Presentation #16 [Evergreen Engineering](#)

“Combustible Dust”

Annual conference was adjourned. Date and location of 2023 conference TBA.

Respectfully Submitted by Lisa Harvey-Boyd

