

# BLRBAC

Black Liquor Recovery Boiler Advisory Committee

For New (or almost new) Attendees, How to Prepare to Participate in a Meeting, Take Advantage of the Opportunity

# How to Participate in a BLRBAC Meeting

- Go to website: [www.blrbac.net](http://www.blrbac.net)
- Meetings are typically held twice a year, in early April and early October
- Meetings are currently held at the Sonesta Atlanta Airport North Hotel
- Website will have future meeting dates
- Go to “Meetings”, download Meeting Notice and Agenda, usually available 6 weeks ahead of meeting.
- To preregister, follow the link for online registration.
- BLRBAC Meeting starts Monday morning and ends Wednesday around Noon.

# How to Participate in a BLRBAC Meeting

- Monday has the subcommittee meetings, morning and afternoon.
- Tuesday morning has the open ESP Subcommittee meeting, where the submitted incidents are reviewed.
- Tuesday afternoon has the Operating Problems Session.
- Wednesday morning has the Main Committee Meeting, followed by technical presentations.

## Participating in BLRBAC – cont'd

- Sunday and Monday nights have supplier sponsored Hospitality events, go and meet people.
  - These events will generally have supplier equipment on display and information regarding products and processes offered, as well as information on new technologies and methods. This is a good time to look at this equipment and information and discuss it with the many supplier reps present.
- Tuesday is a single, jointly sponsored, Activity Night, go and meet.

# Monday, How to Participate in a BLRBAC Meeting

- Check the agenda for Open Subcommittee meetings, on Monday
  - Closed meetings are for subcommittee members only, to allow members to focus on assigned tasks.
  - Open meetings can be found in both the morning and afternoon.
    - Note, multiple open subcommittee meetings are at the same time, so pick carefully.
- Attend an open meeting that interests you and would benefit your mill; to get the most out of a subcommittee meeting:
  - Review the posted subcommittee agendas (available in the meeting schedule in the advance registration materials), and review the subcommittee minutes from the previous meeting, posted on the website, to see what they plan to cover and what has been covered in past meetings.
  - Review the subcommittee posted Guidelines, on website under “Documents”.
  - Check to see if the subcommittee has any documents posted for Review and Comments, under “Documents”.

# Monday, How to Participate in a BLRBAC Meeting

## **Example from the Spring 2020 Meeting Registration Materials, Monday Meeting Schedule**

- **8:00 am – Noon, Personnel Safety Subcommittee - (OPEN)**
- Welcome: Introduction by chair, Anti-trust Statement
- Update member information
- Introduction of members and visitors
- Read the 2019 October Meeting Minutes
- Discussions:
- “Recovery Area SIF (Serious Injury or Fatality) prevention” - open discussion.
- Open discussion, miscellaneous topics as requested by attendees

# Monday, How to Participate in a BLRBAC Meeting

- Subcommittee Meeting
  - Usually they will accept visitor questions/comments during the meeting, on their guidelines, or related topics.
  - You can always send questions ahead of time to the subcommittee Chairman, to allow them to prepare.
  - If you have comments on documents posted for Review and Comment, it is important to send comments prior.
  - Remember, generally the subcommittee will not have a “presentation” to provide you with information, if you do not ask questions, it might be a short meeting.
  - Consider joining the subcommittee, if possible and interested, and you would have the time to attend most future meetings.

## BLRBAC Subcommittees (10)

- ESP (Emergency Shutdown Procedure), Frank Navojosky, Chairman
- Safe Firing of Black Liquor, Vernon Blackard, Chairman
- Safe Firing of Auxiliary Fuel, Bruce Knowlen, Chairman
- Personnel Safety, John Fredrickson, Chairman
- Instrumentation, Dave Avery, Chairman
- Waste Streams, Paul Seefeld, Chairman
- Fire Protection in Direct Contact Evaporator, Stephen Cox, Chairman
- Materials & Welding, Mike Blair, Chairman
- Water Treatment, Tom Przybylski, Chairman
- Publicity & News, Matt Paine, Chairman



## Current Posted Subcommittee Guidelines (2018 last revs.)

- Recommended Good Practice For Design, Operation, and Testing of the Emergency Shutdown System for Black Liquor Recovery Boilers (Dated: [October 2018](#))
- Safe Firing of Black Liquor in Black Liquor Recovery Boilers (Dated: [April 2016](#))
- Materials & Welding Guidelines (Dated: [April 2013](#))
- Safe Firing of Auxiliary Fuel in Black Liquor Recovery Boilers (Dated: [February 2012](#))
- Fire Protection in Direct Contact Evaporators and Associated Equipment (Dated: [February 2016](#))
- Personnel Safety & Training (Dated: [April 2018](#))
- Application of Rotork Actuators on Black Liquor Recovery Boilers (Dated: [October 2005](#))
- Boiler Water Management Guidelines for Black Liquor Recovery Boiler (Dated: [April 2016](#))
- Instrumentation Checklist and Classification Guide for Instruments and Control Systems Used in the Operation of Black Liquor Recovery Boilers (Dated: [April 2014](#))
- Thermal Oxidation of Waste Streams in Black Liquor Recovery Boilers (Dated: [April 2017](#))

## BLRBAC Internet Site, Documents for Review and Comments, Examples

- Recommended Good Practice For Design Operation and Testing of the Emergency Shutdown System For Black Liquor Recovery Boilers - April 2019 Draft
- Safe Firing of Black Liquor in Black Liquor Recovery Boilers - April 2019 Draft
- Boiler Water Management Guidelines for Black Liquor Recovery Boilers - Section 31. 5.1 Revisions - 2018 Draft
- Copper Induced Cracking in Boiler Tubes – May 2019 Draft
- Fire-Protection-for-DCE-2021-Draft

## Tuesday, How to Participate in a BLRBAC Meeting

- Open ESP Subcommittee, morning
  - Review the incident summary document that was in your registration packet; individual writeup for each incident.
  - Sit near the front screen so you can clearly see the boiler drawings and photos that will be presented.
  - Take notes on the incidents that you want to share with others in your mill on your return.
    - How did operators make their decisions? Would your operators recognize the trends and signs on a critical leak to ESP?
    - Was the leak mechanism something that could happen to your boiler, Was it somewhere in the unit you haven't been looking on outages?
    - Lessons learned for review back at your facility.

## Tuesday, How to Participate in a BLRBAC Meeting

- Operating Problem Session, Afternoon
  - You can submit questions ahead of time, concerns at your mill, or successes at your mill.
  - Moderator will work through the questions, soliciting input from the many knowledgeable people present.
  - Feel free to stand and ask questions.
  - Take notes on items that you want to share with your mill.

# Wednesday, How to Participate in a BLRBAC Meeting

- Main Committee Meeting
  - Reports from the Executive Committee on BLRBAC business and issues.
  - Reports from each subcommittee, what they covered in their meetings and what they are going to be working on.
  - Reports from other organizations, as available, AFPA, TAPPI, etc.
- Technical Presentations, usually 2 or 3
  - Topics of interest to our audience, focused on recovery boilers.

# BLRBAC Basics

- Objective - promote improved safety of recovery boilers through the interchange of knowledge, experience and data.
- Meetings in April and October in Atlanta
  - **Check [www.blrbac.net](http://www.blrbac.net) for the date of the next meeting, and for future meetings.**
  - The website will include a meeting agenda and a link to register online; usually available 6 weeks prior.
  - Meetings are currently held at the Sonesta Atlanta Airport North
- Members are from recovery boiler: operating, manufacturing and insuring companies.
  - Only Members can vote
  - Also have associate members with direct interest

# BLRBAC Internet Site

- blrbac.net (old site blrbac.org is no longer active)
- Guidelines and questionnaires
  - Latest versions
  - Draft revisions for review
    - Interested persons are urged to review and provide comments, before the revisions are voted on for approval.
- Articles of Association & Operating Procedures
- Meeting registration forms and information
- Meeting minutes, current and past (to 2001)
- RBs in Service, U.S., Canada
  - Help keep the lists up to date, name changes, closures

## BLRBAC Updated Guideline Example

Recommended Good Practice For Design, Operation, and Testing of the Emergency Shutdown System for Black Liquor Recovery Boilers (Dated: October 2018)

**CHANGES are listed at the end of the document**

### **October 2018**

Recommended Emergency Shutdown Procedure (ESP) & Procedure for Testing ESP System for Black Liquor Recovery Boilers was combined into a single document with Guidelines for Post-ESP Procedures for Black Liquor Recovery Boilers, titled Recommended Good Practice for Design, Operation, and Testing of the Emergency Shutdown System for Black Liquor Recovery Boilers

- Chapter 2 – Clarified that all motorized valves in ESP system should be wired to bypass any local selector switches and any change be functionally tested
- Chapter 2 – The torque limits, and any other device designed to protect the motor or valve, should not be included in the motor control open circuit for the rapid drain valves
- Chapter 2 – Valves used for final pressure reduction that may be used for other functions must function in the event of an ESP
- Chapter 3 – A DCS page showing ESP functions and their status is suggested
- Chapter 3 – A leak located below the ESP rapid drain valve level (8') is added to conditions for consideration of floor inspection after and ESP



## BLRBAC Executive Committee

### Revised after Fall 2022 Meeting

- **Chairman – David von Oepen, WestRock**
- **Vice Chairman – Frank Navojosky, International Paper**
- **Operator Rep. – Gregory Burns, Domtar**
- **Insurance Rep. – Jimmy Onstead, FM Global**
- **Boiler Mfg. Rep. – John Phillips, Andritz**
- **Treasurer – Len Olavessen, LENRO, Inc.**
- **Secretary – Everett Hume, FM Global**