

BLRBAC ISC submittal to Executive Committee for approval

Proposed E&I Qualifications Statement

The Instrumentation sub-committee (ICS) proposes the following addition to our committees document,

RECOMMENDED GOOD PRACTICE

INSTRUMENTATION CHECKLIST AND CLASSIFICATION GUIDE FOR INSTRUMENTS AND CONTROL SYSTEMS USED IN THE OPERATION OF BLACK LIQUOR RECOVERY BOILERS

(Changes highlighted in yellow reflect changes to the original submittal after discussion with the EC)

Qualified electrical and instrumentation technicians should be readily available to always cover issues with the recovery boiler. Qualified **should** be defined as a technician that:

- Understands the recommended good practices of BLRBAC.
- **Understands the basics of NFPA-85 requirements for boilers.**
- Understands the basics of recovery boiler process, operation, control, and safety interlocking.
- Understands the individual unique and specialized control equipment and systems associated with the recovery boiler such as the solids control, burner management, drum level control, etc.
- Has a working knowledge of all instruments associated with recovery boilers?
- Can quickly identify where all instrument/devices and supporting documents are.

The following may be considered when determining the above qualifications.

- Understands proper calibration and testing procedures for these instruments.
- Has a working knowledge of electrical circuits and relay systems
- Has a working knowledge of microelectronic control systems (DCS, PLCs, etc.)
- Has received basic E&I system “trade school” type training.
- Has received training on specialized systems as developed by the vendor.
- Receives continuous and ongoing refresher training on existing systems as needed.
- Receives immediate update training on any new devices or systems.