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POLICY NOTIFICATION

< Low-pressure steam boiler piping connections >

This policy notice is being issued to clarify jurisdictional requirements regarding the piping connection sizing for low-pressure steam boiler low-water cutoffs.

- **Our Rule, 13 NCAC 13 .0409 (a)(5), states that piping from the steam boiler to the low-water cutoff shall not be less than 1" NPS.**
- **Currently, ASME Sec. IV, HG-606(b) and CSD-1, CW-120(d) allow for pipe sizing of ½" NPS for combination low-water cutoff/water feeding devices on low-pressure steam boilers as follows-** "Such a fuel cutoff or water feeding device may be attached directly to a boiler. A fuel cutoff or water feeding device may also be installed in the tapped openings available for attaching a water glass directly to a boiler, provided the connections are made to the boiler with nonferrous tees or Y's not less than NPS 1/2 (DN 15) between the boiler and the water glass so that the water glass is attached directly and as close as possible to the boiler; the run of the tee or Y shall take the water glass fittings, and the side outlet or branch of the tee or Y shall take the fuel cutoff or water feeding device. The ends of all nipples shall be reamed to full-size diameter."
- **The NC Boiler Safety Bureau will accept this ½" NPS pipe size requirement for low-water cutoff/feeder connections on low-pressure boilers for these devices, installed in this configuration.**
- **For high-pressure boilers, the 1" NPS pipe size requirement remains in force.**

**DON KINNEY
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