



"Eddy's Boilerhouse News"
By Eddy Emerson, Emerson Boiler

NEWS LETTER ASME CSD-1 Controls and Safety Devices for Automatically Fired Boilers – series CSD-1 letter 3.

CSD-1 Part CM Testing and Maintenance, states the following in paragraph CM-110, "An inspection and maintenance schedule shall be established and performed on a periodic basis. The periodic basis **shall** be at least that required by the equipment manufacturer." The word "shall" means that it is not optional. To be in compliance with CSD-1 a preventive maintenance program is not optional.

The manufacturers' guidelines should be followed and logged in some type of maintenance record or boiler log book. This may be done on a computer or even a service invoice. The point is that it must be done and recorded.

The code goes on to say, "The manufacturers' instructions shall be followed. Additional information is contained in a recommended checklist found in Non-mandatory Appendix D." Appendix D is a recommended preventive maintenance schedule. ASME has members that know a lot about boilers and they have developed a really good checklist. In fact, some manufacturers' simply take the CSD-1 checklist and develop their maintenance guidelines.

CSD-1 Appendix D provides guidelines for daily, weekly, monthly, semi-annually, annually and as required checks. This appendix names the component to be tested and list the recommended test that should be completed. It does not go into detail on how to conduct the tests, they refer back to the manufacturers' instructions for the details.

An example is as follows:

DAILY

- (a) Check gages, monitors, and indicators.
- (b) Check instrument and equipment settings.
- (c) For high-pressure boilers, test low-water fuel cutoff device and alarm.
- (d) Check burner.

This is a really great guideline for setting up a preventive maintenance schedule and I would recommend it. That preventive maintenance we save a lot of down time later. In spite of what many bean counters think.

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