

#### 4.10

#### AUXILIARY FEEDWATER SYSTEM

Applicability:

Applies to periodic testing requirements of the auxiliary feedwater system.

Objective:

To verify the operability of the Auxiliary Feedwater and its ability to respond properly when required.\*

Specifications:

1. Each turbine-driven auxiliary feedwater pump shall be started at intervals not greater than one month, run for 15 minutes and a flow rate of 600 gpm established to the steam generators. The monthly frequency is not intended to require the test while at cold shutdown. The testing requirement is met by performing this test during startup subsequent to cold shutdown.
2. The auxiliary feedwater discharge valves shall be tested by operator action during pump tests.
3. Steam supply and turbine pressure valves shall be tested during pump tests.
4. These tests shall be considered satisfactory if control panel indication and visual observation of the equipment demonstrate that all components have operated properly.
5. At least once per 18 months:
  - a. Verify that each automatic valve in the flow path actuates to its correct position upon receipt of each auxiliary feedwater actuation test signal.
  - b. Verify that each auxiliary feedwater pump receives a start signal as designed automatically upon receipt of each auxiliary feedwater actuation test signal.

N.A. during cold or refueling shutdowns (only for the Unit at cold or refueling shutdown). The specified tests, however, shall be performed within one surveillance interval prior to starting the turbine.

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NOTE: If any local manual realignment of valves is required when operating the Auxiliary Feedwater pumps, a dedicated individual, who is in communication with the control room, shall be stationed at the auxiliary feedwater pump area. Upon instructions from the control room, this operator would realign the valves in the AFW system train to its normal operational alignment.

