



## **Quick Procedure for Checking DAll Steam Traps**

### ***Trap Fails CLOSED = Cold Roll or Vessel:***

1. Slowly and carefully open blow down ball valve on strainer outlet to expel any contaminants from the system upstream of the trap
2. If roll continues to display cold temperatures, check trap and repair if necessary
3. Other possible causes could be related to the siphon pipe

### ***Trap Fails OPEN = excessively High Pressure (>120 psig) in Condensate Return Line***

1. Crack open the drain valve on the trap manifold
2. Slowly close the 2" ball valve on the condensate return riser
3. Slowly close the outlet valve on each trapset
4. Fully open drain valve on manifold to relieve steam pressure between trap outlet valves and return riser valve. The pressure gauge will show 0 psig and steam will stop exiting drain
5. Slowly open the outlet valve on ONE trap. A normally functioning trap will initially expel steam and condensate but will eventually close due to the atmospheric pressure on the outlet side. This may take up to 30 seconds depending on how long the outlet valve was closed and how much condensate is in the trap.
6. If the pressure gauge continues to rise above 120 psig, this trap is potentially blowing through. Close the outlet valve again to flood the trap and then open it to flush contaminants out. Continue this flushing procedure up to 10 times. If the trap continues to blow steam, remove trap, disassemble, inspect internals and repair if necessary.
7. Continue this procedure on each trap in the bank.
8. When testing of the trap bank is complete, slowly build pressure on the return side by slightly opening the return riser valve and closing the drain valve. Slowly open all trap outlet valves.

### ***Excessively High Pressure (>120 psig) in Donahue High Pressure Receiver - Alternate Procedure***

1. Turn off the air supply to the HPR Steam Pressure Reducing Station
2. Bleed the air line pressure through the air pressure regulators
3. If hot water is expelled through the bleed valve, the diaphragms in the HPR pressure reducing valve have ruptured and need to be replaced