

OPERATING PROCEDURE STEAM TRAP PREDICTIVE MAINTENANCE

APPLICATION

Performing annual steam trap predictive maintenance.

SPECIAL INSTRUCTIONS

- Performing maintenance on steam traps requires that the system be operational at the time of testing. This can be done by opening all manual valves, increasing the setpoint on temperature driven control valves or removing the control signal on the NO control valves.
- Equipment Required:
 - Infrared thermometer
 - Stethoscope

WORK STEPS

1. Performing maintenance on steam traps requires that the system be operational at the time of testing. This can be done by any of the following actions:
 - Opening all manual valves
 - Increasing the setpoint on temperature-driven control valves
 - Removing the control signal on the NO control valves.
2. Using the stethoscope, place the rod end on the device being tested. If the trap is operating properly, you will hear it open and close.
3. Using the Infrared thermometer, measure the steam trap inlet and outlet temperatures, and record them in the *Steam Trap Maintenance Log*.
 - **IF** the inlet and outlet temperature of the trap are close to previous recorded values, the trap is OK. Go to Step 5.
 - **IF** the outlet temperature is significantly lower than the inlet temperature, or significantly different when compared to previously recorded values, the trap may have failed closed. Go to Step 4.
 - **IF** the outlet temperature is equal to or relatively close to the inlet temperature the trap may have failed open. Go to Step 4.
4. Repair as required. Repeat Steps 2 and 3.
5. Return all valves and controls to their normal settings if they were changed in Step 1.

REFERENCES

None.

RESPONSIBILITIES AND CONTROLS

Rev. No.	SME/Title	REV/Title	Approved/Title	Date	Effective Date
2	 Mike Botello PMT Lead	 Larry Begley Maintenance Supervisor	 Ken Fletcher Operations Department Head	6/11/09	6/11/09