New Steam/Condensate Service Pre-Startup Checklist

Project: 

Project manager: __________________________ General contractor: __________________________

Service Lateral - Underground Piping

Engineer of Record: __________________________ Contractor: __________________________

1. Review ANSI/ASME B31.1 piping stress analysis
2. Confirm that all pipe supports are in place per plans
3. Confirm that proper insulation was installed on piping and valves
4. Confirm that hydrostatic test on piping is completed and piping drained
5. Confirm that shipping bars on expansion joints are removed
6. Inspect valves, steam traps and y-strainers
7. Confirm that valve stems on rising stem valves are lubricated
8. Confirm that all equipment tags/labels are installed

Building Interior Piping:

Engineer of Record: __________________________ Contractor: __________________________

1. Review ANSI/ASME B31.1 piping stress analysis
2. Confirm that all pipe supports are in place per plans
3. Confirm that hydrostatic test on piping is completed and piping drained
4. Review Contractor submittals on valves, traps, PRV’s, piping, bolts, etc
5. Inspect drip legs, strainers, steam traps and test valves
6. Inspect pressure relief valves and vent piping to outside discharge
7. Inspect pressure reducing valve station and check PRV pilot ratings
8. Inspect steam meter and temp transmitter (EMCS)
9. Inspect condensate receiver system (elec pump, pressure power pump)
10. Inspect condensate receiver sight glass
11. Inspect condensate receiver vent to outdoors
12. Inspect PRV station pressure gages: installation and calibration
13. Inspect steam flange bolts, ASTM A193 Gr B7
14. Inspect all insulation

Punch List Items required for steam system activation:

System Ready for Activation:

Date: ________________ Time: ______ By: __________________________

cc: Steam System Manager
Steam System Engineer
Steam Shop Supervisor
Utilities Project Representative