Stanford University
Sustainability & Energy Management
Utilities Division
327 Bonair Siding, 2nd Floor
Stanford, CA 94305

New Steam/Condensate Service Pre-Startup Checklist

Project: _____

Project manager: _____ General contractor: _____

Service Lateral - Underground Piping

Engineer of Record: _____ Contractor: _____

		Initial	*Date*
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: _____

		Initial	*Date*
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