

Boiler inspection checklist

Unit Identification (Boiler) Steam or Hot Water Heat

Manufacturer's Name _____ Manufacturer's Model # _____

Year Built _____ Nat. Bd # _____ MN-B # _____

Boiler Unit Description (Fire Tube, Water Tube, etc.) _____

If Modular (no. of modules) _____

Boiler Max Input (Btu/KW) _____

Boiler horsepower _____ Heating Surface _____

MAWP _____ Psig Maximum Temp. _____ F

Minimum required Safety Valve Capacity _____ LB/HR or BTU

Safety Relief Valve Set Pressure _____ Capacity _____

Lowest Permissible water level marking _____

Pressure / Temperature Gage: Range _____ Mounting _____

Piping: Water Column, Sight Glass, Cross Tees, Bottom Blow, Safety Valve, Low Water Cut-off

****Hydrostatic Test Pressure _____ Duration _____

Combustion Air Requirements(NBIC Part 1, 2.5.4 & 3.5.4): *Satisfactory Unacceptable*

Boiler Clearances (NBIC Part 1) (Manf. Req. acceptable): *Satisfactory Unacceptable*

Stop Valve(s) When required *Satisfactory Unacceptable* _____

Water Column/Sight glass Location *Satisfactory Unacceptable* _____

Venting (Chimney) *Satisfactory Unacceptable* _____

Observation Port *Satisfactory Unacceptable* _____

Lowest Permissible water level *Satisfactory Unacceptable* _____

Requirements in Accordance with ASME CSD-1 Most Current Edition (2012)

Pilot Type: *Continuous Intermittent Interrupted Direct Ignition Hot Surface*

Boiler Control/Device Set Points Acceptable Location of Control/Device Test Date, Result

Low-Water Fuel Cutout
(*Steam 2, HWH 1*) (*3/4" Drain*) _____

Forced Circulation Flow Switch _____

Steam Pressure Control _____

High Pressure Limit _____

Water temperature Control _____

High Temperature Limit _____

Gas Fuel Train Safety Controls:

<u>Control/Device</u>	<u>Set Points Acceptable</u>	<u>Location of Control/Device</u>	<u>Test Result</u>
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Drip leg			
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Manual shut off valve			
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Fuel Safety Shutoff Valve, Main <i>(proof of closure)</i>			
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Pilot Safety Shutoff Valve			
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Combustion Air Switch			
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High Gas Pressure			
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Low Gas Pressure			
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Flame Safeguard (Primary) <i>(Fire Eye)</i>			
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Purge Air Flow <i>(Sail Switch)</i>			
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Gas Regulator			
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Vent Valve and Lines			
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Bleed Lines			
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Relief Lines			
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Oil, Fuel Train Safety Controls

Atomizing Medium Switch			
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Filters / Strainers			
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Low Oil Pressure			
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High Oil Temperature			
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Safety Shutoff Valves			
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Loss of Combustion air switch			
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Emergency Shutdown Switch			
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Low-Fire Start Switch <i>(required for 2,500,000 btu, 20 gph and greater)</i>			
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Comments:

Code Violations:
