

## Inspection and Testing Frequency Chart

		Frequency				
Item		LPSB	HWB	EHWB	ESG	INST
1	Inspect furnace and other internal surfaces, closures and accessories.	Y	Y	Y	Y	Y
2	Inspect exterior of Unit, casing, supports, closures, accessories, valves, controls.	Y	Y	Y	Y	Y
3	Deaerator: Inspection and wet magnetic particle testing of welds of pressure vessel interior.	6Y	N/A	N/A	6Y if equipped	N/A
4	Check all Boilers for fouling and combustion gas flow.	Y	Y	N/A	N/A	Y**
5	Tube leak check on all boiler types.	Y	Y	Y	Y	Y
<p><b>NOTE: Items (1) through (5) in this table above must be accomplished by a documented Qualified Professional Inspector. The following items (6) through (12) must be accomplished by a qualified individual as determined by the medical center's management. Such a determination must be carefully made for each item and each individual.</b></p>						
6	Deaerator: interior cleaning and visual inspection.	Y	N/A	N/A	Y if equipped	N/A
7	Condensate Tank: interior cleaning and visual inspection	Y	N/A	N/A	Y if equipped	N/A
8	Adjust burner combustion settings and calibrate oxygen trim.	6M	6M+	N/A	N/A	6M++
9	Check vibration of burner fans.	6M	6M	N/A	N/A	N/A
10	Calibrate instrumentation, monitoring, and control systems.	6M	6M+	6M+	6M+	6M+
11	Calibrate pressure gages and thermometers.	Y	Y	Y	Y	Y+
12	<b>Operational Testing of Safety Devices:</b>					
a.	Low-water cutoff (slow drain)	M	M	M	M	N/A
b.	Fire each boiler and the pilot on the alternate fuel for 1 hour	M*	M*	M*	M*	M*
c.	Low-water cutoff	M	M	M	M	N/A
d.	Auxiliary low-water cut-off (slow drain)	M	M	M	M	N/A
e.	High-water alarm	M	M	M	M	N/A
f.	Low-water alarm	M	M	M	M	N/A
g.	High-steam pressure cut-out (recycle)	6M	N/A	N/A	6M	N/A
h.	High-steam pressure cut-out (non-recycle)	6M	N/A	N/A	6M	N/A
i.	Steam/water safety valves (accumulation test at high fire)	Y	Y	Y	Y	Y
j.	Steam/water safety valve operational test	6M	6M	6M	6M	6M
k.	Flame scanner	M	M	N/A	N/A	M+
l.	Check gas vent valve for leaks	6M	6M	N/A	N/A	6M+
m.	High-gas fuel pressure cut-off	6M	6M	N/A	N/A	6M+

## Frequency

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n.	Low-gas fuel pressure cut-off	6M	6M	N/A	N/A	6M+
o.	Gas fuel safety shut off valves proof of closure	6M	6M	N/A	N/A	6M+
p.	Leak test gas fuel safety shut off valves	6M	6M	N/A	N/A	6M+
q.	Low-atomizing pressure for fuel oil	6M*	6M*	N/A	N/A	6M*+
r.	High-fuel oil pressure cut-off	6M*	6M*	N/A	N/A	6M*+
s.	Fuel oil safety shut off valves proof of closure	6M*	6M*	N/A	N/A	6M*+
t.	Leak test fuel oil safety shut off valves	6M*	6M*	N/A	N/A	6M*+
u.	Check operation of Liquid Petroleum Gas pilot	6M*	6M*	N/A	N/A	6M*+
v.	Low-pilot gas pressure cut-out	6M	6M	N/A	N/A	6M*+
w.	Forced draft fan motor interlock	6M	6M	N/A	N/A	6M+
x.	Forced draft fan damper wide open for purge	6M	6M	N/A	N/A	6M+
y.	Boiler outlet damper wide open for purge	6M	6M	N/A	N/A	6M+
z.	Purge air flow interlock	6M	6M	N/A	N/A	6M+
aa.	Timing for pre-purge	6M	6M	N/A	N/A	6M+
bb.	Timing for post-purge	6M	6M	N/A	N/A	6M+
cc.	Igniter timing	6M	6M	N/A	N/A	6M+
dd.	Low fire position interlock	6M	6M	N/A	N/A	6M
ee.	Combustion air interlock	6M	6M	N/A	N/A	6M
ff.	Main flame out; i.e., time to close valves	6M	6M	N/A	N/A	6M
gg.	Ignition flame out; i.e. time to close valves	6M	6M	N/A	N/A	6M
hh.	Minimum igniter flame test	6M	6M	N/A	N/A	6M
ii.	Scanner not sensing ignition spark	6M	6M	N/A	N/A	6M
jj.	Low-oxygen alarm and/or cut-out	6M	6M	N/A	N/A	N/A
kk.	Pre-purge setting of flue gas recirculation damper	6M	6M	N/A	N/A	N/A
ll.	Interlock of building outside air damper	6M	6M	N/A	N/A	6M
mm.	Burner/heating element control	6M	6M	6M	6M	6M
pp.	CO and combustible gas detection equipment testing	6M	6M	N/A	N/A	6M
qq.	Plant/boiler emergency stop buttons testing	6M	6M	6M	6M	6M

**NOTE: The preceding safety devices are essential for ensuring the safest possible operation. Any boilers not so equipped must be immediately programmed for retrofit, with priority given to providing two low water cutoffs per boiler and two fuel safety shut off valves per fuel per boiler.**