

HEATING WATER SYSTEM INSPECTION CHECKLIST

For use of this form, see TM 5-697; the proponent agency is COE.

SECTION A - CUSTOMER DATA

1. PLANT	2. LOCATION	3. JOB NUMBER
4. EQUIPMENT	5. HEATING WATER LOOP DESIGNATION	6. DATE (YYYYMMDD)
7. TEST EQUIPMENT		8. TESTED BY

SECTION B - EQUIPMENT DATA

9. BOILER MANUFACTURER	10. MODEL NO	11. SERIAL NO	12. BTU RATING
13. PUMP MANUFACTURER	14. MODEL NO	15. SERIAL NO	16. RATED FLOW
17. HP @ RPM	18. RATED NPSH	19. RATED PRESSURE	

SECTION C - VISUAL AND MECHANICAL INSPECTION

20. CHECK POINT	COND*	NOTES	CHECK POINT	COND*	NOTES
EXTERIOR OF EQUIPMENT			EQUIPMENT IDENTIFICATION		
COMPLETENESS OF ASSEMBLY			BRACING		
EQUIPMENT ROTATION			LABELING AND TAGGING		
ELECTRICAL/MECHANICAL INTERLOCKS			SAFETY INTERLOCKS		
INSTRUMENTS			WORKING SPACE		
PROPER GROUNDING			ANCHORAGE		
PROPER INSULATION			SYSTEM FLUSHED AND CLEANED		
TIGHTNESS OF BOLTED CONNECTIONS			COMPARISON TO DRAWINGS		
PROPER LUBRICATION			CONTROL SYSTEM		
WATER TREATMENT			FUEL SYSTEM		

SECTION D - CALIBRATION AND SET POINT

21.	DESCRIPTION	NOTES
SENSORS		
CONTROLLERS		
ACTUATORS		
RELIEF VALVES CHECKED		
FUEL SAFETY VALVES		

SECTION E - HYDRONIC SYSTEM TESTS

22.	OPERATING MODES	TEMPERATURES	PRESSURES	FLOWS	LEVELS	NOTES
BOILER						
PUMP						
HYDROSTATIC TEST						
BALANCE TEST						
HEATING COIL NUMBER						
CONTROL VALVES						
SYSTEM TEST						

23. NOTES

*CONDITION: A=ACCEPTABLE; R=NEEDS REPAIR, REPLACEMENT OR ADJUSTMENT; C=CORRECTED; NA=NOT APPLICABLE