

**BOILER SAFETY BUREAU PROCEDURE BSB 0600-05 –
Attachment 3 Rev 2 INITIAL HISTORICAL BOILER
CERTIFICATION REPORT**

INSPECTOR NAME	INSPECTOR SIGNATURE / DATE

BOILER INFORMATION

NC NO:	OWNER NAME:
MANUFACTURER:	OWNER ADDRESS:
YEAR BUILT:	OWNER CITY/STATE:
BOILER TYPE:	USER NAME:
ENGINE NO:	USER ADDRESS:
OTHER ID NO: (NB NO / ASME STAMP)	USER CITY/STATE:
TOTAL HEATING SURFACE:	TOTAL HEATING SURFACE IS CALCULATED OR TAKEN FROM THE ASME STAMPING.

BARREL INFORMATION

INSIDE DIAMETER:	SEAM TYPE:
TUBE SIZE/QUANTITY:	SEAM EFF: (TABLE S2.10.3)
TENSILE STRENGTH OF BARREL:	MAX. PITCH OF SEAM RIVETS:
MINIMUM THICKNESS OF BARREL:	JACKET FULLY REMOVED FOR INSPECTION? Y N
MINIMUM THICKNESS OF TUBESHEET:	MAWP OF BARREL: (TABLE S2.10.3)

FIREBOX AND WRAPPER SHEET

STAYBOLT DIAMETER OF THINNEST STAYBOLT (BASE OF THREADS):		
STAYBOLT PITCH (MAX) AT CROWNSHEET:		
TYPE OF STAYBOLT (TELLTALE?):		
MINIMUM THICKNESS OF STAYED SURFACE:	MINIMUM	USED IN CALCULATIONS
MAWP OF STAYED SURFACES:	TABLE S2.10.4.1	ASME STAMPING
TYPE OF BOTTOM (OGEE, WET BOTTOM ETC.)		
CONDITION OF THREADED MOUNTING STUDS:	ACC	REJ
GRATES GRATE SUPORTS, AMPERS, ASHPAN:	ACC	REJ
CLEANED SATISFACTORILY FOR INSPECTION?	YES	NO

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SAFETY EQUIPMENT AND CONTROLS

1. SAFETY VALVE #1 (S2.8.1)	MANUFACTURER	SET PRESSURE	CAPACITY	SIZE
SAFETY VALVE #2 (S2.8.1)	MANUFACTURER	SET PRESSURE	CAPACITY	SIZE
2. FUSIBLE PLUG (S2.8.1)	PLUG IS ASME	FUSIBLE PLUG REMOVED FOR INSPECTION – Y N COMMENTS:		
3. WATER FEED METHODS	INJECTOR BRAND NAME 1. 2.	PUMP INFORMATION	PREHEATER TYPE	
4. WATER COLUMN	DRAIN OPERATIONAL Y N		WATER LEVEL VERIFIED Y N	
5. GAGE GLASS (S2.8.2)	GUARDED Y N		TYPE OF GUARD	
6. TRY-COCKS (S2.8.3)	NUMBER OF TRY-COCKS		OPERATION OF TRY-COCKS VERIFIED Y N	
7. PRESSURE GAGE (S2.8.5)	DIAL RANGE		SIPHON TYPE	
PRESSURE GAGE:	CALIBRATION CHECKED Y N		ACC REJ	

VALVES AND PIPING (S2.9 AND S2.9.1)

MAIN STEAM VALVE:	ACC	REJ	MAIN STEAM PIPING:	ACC	REJ
THROTTLE VALVE:	ACC	REJ	PIPE NIPPLES AT SHELL:	ACC	REJ
FEEDLINE STOP VALVE(S):	ACC	REJ	FEEDLINE CHECK VALVES:	ACC	REJ
FEEDWATER PIPING AND INJECTORS	ACC	REJ	BLOWDOWN PIPING:	ACC	REJ
STEAM PIPING TO INJECTORS:	ACC	REJ	BLOWDOWN VALVES:	ACC	REJ
INJECTOR ISOLATION VALVES:	ACC	REJ	PIPING SUPPORTS:	ACC	REJ
BLOWER VALVE:	ACC	REJ	BLOWER PIPING:	ACC	REJ

EXISTING REPAIRS AND ALTERATIONS

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EXTERNAL VISUAL INSPECTION FINDINGS

INTERNAL VISUAL INSPECTION FINDINGS

HYDROSTATIC PRESSURE TEST- S2.6.1

TEST PRESSURE IN PSI:	TEST TEMPERATURE IN DEGREES FAHRENHEIT:
TEST DATE:	TEST WITNESSED BY:
TEST COMMENTS/PROBLEMS:	

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INSERVICE INSPECTION AT PRESSURE

ABSENCE OF LEAKS:	ACC	REJ	PRESSURE GAGE FUNCTION:	ACC	REJ
TEST OF TRY-COCKS:	ACC	REJ	GAGE GLASS:	ACC	REJ
TEST OF INJECTORS AND/OR PUMP:	ACC	REJ	OPERATE THROTTLE AND GOVERNOR:	ACC	REJ
SAFETY VALVE POP PRESSURE:	ACC	REJ	SAFETY VALVE RESEAT PRESSURE:	ACC	REJ
TEST OF BLOWDOWN VALVE:	ACC	REJ	Note: Write down the SV POP and Reseat psi.		
			PG-72.1 Pressure relief valves shall be designed and constructed to operate without chattering, with a minimum blowdown of 2 psi (15 kPa) or 2% of the set pressure, whichever is greater, and to attain full lift at a pressure not greater than 3% above their set pressure.		
NOTES (EXPLAIN ANY REJECTED ITEMS HERE)					

Attachments:

- Historical Boiler Visual Inspection Checklist – BSB 0600-05 - Attachment 4.
- Historical Boiler Inservice Inspection Checklist – BSB 0600-05 -Attachment 5.
- Steam Locomotive and Historical Boiler UT Thickness Testing Checklist – Attachment 6.
- Steam Locomotive and Historical Boiler Hydrostatic Pressure Test Checklist – Attachment 7.
- Steam Locomotive and Historical Boiler Calculate Heating Surface – Attachment 8.