The National Board of Boiler and Pressure Vessel Inspectors
INITIAL BOILER CERTIFICATION REPORT (Form C-1)

BOILER INFORMATION	
JURISDICTION NO.	OWNER
MANUFACTURER	OWNER ADDRESS
YEAR BUILT	OWNER CITY/STATE
BOILER TYPE	USER
ENGINE NO.	USER ADDRESS
OTHER NO.	USER CITY/STATE
HEATING SURFACE	OPERATOR & LICENSE NO.

ENGINE NO.BARREL INFORMATION	
INSIDE DIAMETER	SEAM TYPE
TUBE SIZE/NUMBER	SEAM EFFICIENCY (from Table C-7600)
TENSILE STRENGTH OF SHELL	MAXIMUM PITCH OF STEAM RIVETS
MIN. THICKNESS OF SHELL	JACKET FULLY REMOVED FOR INSP
MIN. THICKNESS OF TUBESHEET	MAWP OF BARREL (from Table C-7300)

FIREBOX AND WRAPPER SHEET
STAYBOLT DIAMETER (Base of Threads) OF THINNEST STAYBOLT
STAYBOLT PITCH (Max) AT CROWNSHEET
TYPE OF STABOLT (Telltale?)
MINIMUM THICKNESS OF STAYED SURFACE
MAWP OF STAYED SURFACES (from Table C-7400-1)
TYPE OF BOTTOM (Ogee, Wet Bottom, etc.)
CONDITION OF THREADED MOUNTING STUDS
GRATES, GRATE SUPPORTS, DAMPERS, ASHPAN – SATISFACTORY?
CLEANED FOR INSPECTION

SAFETY EQUIPMENT AND CONTROLS					
SAFETY VALVE (per S2.8.1)	MANUFACTURER	SET PRESSURE	CAPACITY	CROWN	SIZE

FUSIBLE PLUG (per S2.8.4)	NEW “ASME” PLUG	OLD PLUG REMOVED FOR CROWN INSPECTION?	
FEED METHODS	INJECTOR(S) BRAND/SIZE	PUMP TYPE	PREHEATER TYPE
WATER COLUMN		DRAIN	WATER LEVEL VERIFIED
GAGE GLASS (per S2.8.2)		GUARD	TYPE
TRY-COCKS (per S2.8.3)		NUMBER	OPERABLE?
PRESSURE GAGE (per S2.8.5)		DIAL RANGE	SYPHON TYPE

INITIAL BOILER CERTIFICATION REPORT (Form C-1) continued

VALVES AND PIPING (per S2.9 and S2.9.1)	
MAIN STEAM (dome) VALVE	MAIN STEAM PIPING
THROTTLE VALVE	PIPE NIPPLES AT SHELL
FEEDLINE STOP VALVES(s)	FEEDLINE CHECK VALVES
FEEDWATER PIPING TO INJECTORS AND PIPING	BLOWDOWN PIPING
INJECTOR ISOLATION (steam & water) VALVES	PIPING SUPPORTS
BLOWER VALVE	BLOWER PIPING

EXISTING REPAIRS AND ALTERATIONS

INTERNAL VISUAL INSPECTION FINDINGS

EXTERNAL VISUAL INSPECTION FINDINGS

MAWP CALCULATIONS USING ULTRASONIC THICKNESS MEASUREMENTS	
BARREL: P = (TS x Tmin x E)/(R X FS) [per Table S2.10.3]	FIREBOX: P = (T^2 x S x C/Pitch Max^2) [per Table S2.10.4]
HYDROSTATIC PRESSURE TEST (per S2.6.1)	
TEST PRESSURE – PSI	TEST TEMPERATURE - ºF
TEST DATE	TEST PROBLEMS

INITIAL BOILER CERTIFICATION REPORT (Form C-1) continued

OPERATING INSPECTION AT PRESSURE		
ABSENCE OF LEAKS	TEST OF INJECTOR(S) & PUMP (if used)	
TEST OF TRY-COCKS	OPERATION OF THROTTLE & GOVERNOR	
TEST OF BLOWDOWN VALVE	TEST OF SAFETY VALVE(S)	
	VALVE POPPING POINT & BLOWDOWN	

NOTES