

**OFFICE OF INSURANCE AND SAFETY FIRE COMMISSIONER**

COMMISSIONER OF INSURANCE • INDUSTRIAL LOAN COMMISSIONER • SAFETY FIRE COMMISSIONER

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SAFETY ENGINEERING
GID-333-SF JUL2012****BOILER OR PRESSURE VESSEL TRAINING FORM**

*** TRAINEE TO DEMONSTRATE KNOWLEDGE OF THE FOLLOWING ITEMS VIA SELF STUDY, CLASSROOM AND O-J-T.***

NAME _____ TRAINING FROM _____ TO _____

GENERAL REQUIREMENTS	TRAINEE INITIALS	INSTRUCTOR'S INITIALS
GA BOILER & PRESSURE VESSEL SAFETY LAWS CHAPTER 34-11		
GA BOILER & PRESSURE VESSEL RULES CHAPTER 300-6-I		
NATIONAL BOARD INSPECTION CODE		
SECTION I POWER BOILERS		
SECTION IV HEATING BOILERS		
SECTION VIII PRESSURE VESSELS		
SECTION IX WELDING AND BRAZING		
ASME B31.1 POWER PIPING		
ASME CSD-1 CONTROLS AND SAFETY DEVICES		
NATIONAL FIRE PROTECTION CODE		
STANDARD PLUMBING CODE		
STANDARD MECHANICAL CODE		
STANDARD BUILDING CODE		
SAFETY ENGINEERING PROCEDURES & DIRECTIVES		
BOILER INTERNAL INSPECTION		
CORROSION/GROOVING (WATERSIDE)		
PITTING & SCALE FORMATION (WATERSIDE)		
METAL THINNING (WATER & FIRESIDE)		
BULGING/SAGGING TUBES (WATER AND FIRESIDE)		
LOOSE OR WORN INTERNALS (WATERSIDE)		
STAY BOLTS		
GASKET SURFACES (WATER AND FIRESIDES)		
DIRT, SLUDGE, DEBRIS AND EVIDENCE OF WATER TREATMENT		

BOILER EXTERNAL INSPECTION	TRAINEE INITIALS	INSTRUCTOR'S INITIALS
GENERAL BOILER CONDITION TO INCLUDE: RUST, HOTSPOTS, LEAKS, GENERAL HOUSEKEEPING AND CLEARANCES		
WATER GAGE GLASS TO INCLUDE: INSTALLATION, VISABILITY AND LEAKS		
GAS TRAIN TO INCLUDE: INSTALL, DRIP LEG, GAS VENTING WITH SCREENS, STOP VALVES, AND FLAME SAFE GUARDS		
CHECK/DEMONSTRATE OPERATION OF THE FOLLOWING CONTROLS AND MANUAL RESETS WHERE THEY APPLY: PRIMARY LWCO, SECONDARY LWCO, FLOW SWITCH HIGH/LOW GAS PRESSURE SWITCH, AIR FLOW SWITCH, HIGH PRESSURE/TEMPERATURE CUTOUPS AND ALARMS		
BOILER GENERAL INSTALL TO INCLUDE: PIPING, STOP VALVES, GAGES AND THERMOMETERS, REQUIRED DRAINS OR BLOWDOWNS WITH OUTLET PIPED TO A SAFE POINT OF DISCHARGE		
SAFETY VALVE(S) TO INSURE PROPER INSTALL, PRESSURE, CAPACITY, DISCHARGED TO A SAFE POINT AND DISCHARGE DRAIN IF REQUIRED		
BOTTOM BLOW SYSTEM FOR PROPER MATERIAL, NUMBER AND TYPE OF VALVES, SAFE POINT OF DISCHARGE		
STACKS/BOILER VENTING TO INCLUDE: SIZE, MATERIAL, RAIN PROTECTION AND LOCATION OF DISCHARGE		
SUFFICIENT COMBUSTION AIR VENTING		
LOCKABLE DISCONNECT AND E-STOPS		
FEEDWATER SYSTEM VALVES AND CHECK VALVES (STEAM)		
HEATED WATER LOOP STOP VALVES AND MAKE UP WATER INSTALL WITH REVERSE FLOW PROTECTION		

HOT WATER SUPPLY EXTERNAL		
GENERAL HEATER CONDITION TO INCLUDE: RUST, HOT SPOTS, LEAKS, GENERAL HOUSEKEEPING AND CLEARANCES		
GENERAL INSTALL TO INCLUDE PIPING, STOP VALVES, GAGES, THERMOMETERS		
SAFETY/RELIEF (T & P) TO INCLUDE: PROPER PRESSURE, TEMPERATURE, CAPACITY AND SAFE POINT OF DISCHARGE		
HEATER CONTROL TO INCLUDE: PROPER GAS TRAIN OR ELECTRICAL ELEMENTS		

UNFIRED PRESSURE VESSELS INTERNAL		
CORROSION, GROOVING, METAL THINNING, CRACKS, BAFFELING AND CONDITION OF GASKETED SEATING SURFACES		
CLEANLINESS: DIRT, SLUDGE AND DEBRIS		

UNFIRED PRESSURE VESSELS EXTERNAL	TRAINEE INITIALS	INSTRUCTOR'S INITIALS
GENERAL INSTALL TO INCLUDE : RUST, LEAKS, GENERAL HOUSEKEEPING AND CLEARANCES		
RELIEF VALVE FOR PROPER LIFT PRESSURE, CAPACITY AND SAFE POINT OF DISCHARGE		
OPERATING CONTROLS, GAGES AND THERMOMETERS AS APPLICABLE		
REPAIRS		
WELD REPAIRS		
TUBE REPLACEMENT		
BASE METAL BUILD UP		
STAY BOLT REPLACEMENT		
NOZZLE REPLACEMENT		
NOZZEL ADDITION		
SAFETY VALVE REPAIR		
SAFETY VALVE REPLACEMENT		
WELDING OF ATTACHMENTS		

FILLING OUT INSPECTION REPORTS		
VERIFY ASME DATE PLATE INFORMATION		
RECORD VIOLATIONS AND ISSUE COMPLIANCE TIMES		
ENTER INSPECTIONS INTO STATE DATA BASE		
INTERACT WITH CLIENT ABOUT INSPECTION RESULTS		
ISSUE PERMIT WITH THE PROPER PERIODICITY		

TRAINEE SIGNATURE _____

INSTRUCTOR'S SIGNATURE _____