Quick Reference Guide

This guide is meant to provide all of the valid lookup options and other data submission tips to use when submitting boiler and pressure vessel reports to the State of Maryland.

Tips:

- Valid jurisdiction number formats are as follows: "MD" + 6 digits (leading zeros if necessary) + one-character suffix. The appropriate suffix is based on use and can be found in the Use Description tables.
- If object has no National Board Number (eg. Cast Iron, Special, or Nonstandard), enter NONE in the Nat Board Number field.
- When fully documenting an object with an "Exempt" status in the COMMENTS section, please include the reference to Law, Reg or Code which permits the exemption.
- Whenever choosing an option of "Other" or one including the phrase "w/comment", please explain fully in the COMMENTS field.

BOILER LOOKUP OPTIONS

- For Pressure Vessel object uses, use the Vertical or Horizontal Pressure Vessel options ONLY if the use is not listed elsewhere.
- When fully documenting a variance or exception in the COMMENTS section, please use one of the following options, and include any code numbers or letter dates. Options include "Board Variance granted", "Chief Approval granted", "Commissioner Approval granted", or "Pending".
- For object uses, use the "Heating-Other", "Power-Other" and "Portable" options ONLY if the object is NOT an Antique, Model, Locomotive, Traction, Amusement Ride, or Nuclear

ASME Stamp Description

Type Description Cast Iron Horizontal Fire Tube Horizontal Water Tube Vertical Fire Tube Vertical Water Tube Vertical Tubeless Water Tube Coiled (Flueless Hi Efficiency) Water Tube Coiled (NOT Flueless Hi Efficiency) Water Heater (HLW) Electric (NOT HLW) Fired Superheater Fired Kettle Miniature Boiler (NOT Fired Kettle) Non-aqueous w/comment Piping (B31.1) w/comment Piping (B31.3) w/comment Other w/comment

Fuel Description
Natural Gas
Oil
Oil / Natural Gas
Oil / LPG Gas
LPG Gas
Electric
Waste Heat
Coal (Lump)
Coal (Pulverized)
Coal / Gas
Coal / Oil
Coal / Wood
Sawdust
Wood
Wood / Natural Gas
Wood / LPG Gas
Wood / Oil
Biomass (refuse) w/comment
Biomass (other) w/comment
Solar
Nuclear
Other w/comment

Use Description
H – Hot Water Heat (Water <= 160 psig, 250 F)
H – Hot Water Supply (Water <= 160 psig, 250 F)
H – Hot Water Supply (Water <= 160 psig, 210 F)
H – Non-aqueous Lo Temp Lo Press w/comment (Fluid <= 160 psig, 250 F)
H – Steam Heat (Steam <= 15 psig)
H – Heating-Cooking (Steam <= 15 psig)
H – Heating-Sterilizing (Steam <= 15 psig)
H – Heating-Other w/comment (Stm <= 15 psig or Water <= 160 psig, 250 F)
S – Power-Cooking (Steam > 15 psig)
S – Power-Sterilizing (Steam > 15 psig)
S – Power-Ironing (Steam > 15 psig)
S – Power-Electric Generation (Steam > 15 psig)
S – Power-Other w/comment (Stm > 15 psig)
S – Hi Temp Hi Press Water (Water > 160 psig, 250 F)
S – Non-aqueous Hi Temp Hi Press w/comment (Fluid > 160 psig, 250 F)
A – Antique w/comment
M – Model w/comment
P – Portable w/comment
R – Amusement Ride w/comment
N – Nuclear w/comment
L – Locomotive NOT ANTIQUE
T – Traction NOT ANTIQUE

Fuel Train Description	
CSD-1	
NFPA 85	
NFPA 31	
IRI	
FM	
ANSI Z95.1	
ANSI Z21.13	
ANSI Z21.56	
ANSI Z21.10.3	
CSA	
Other w/comment	
Not Available At This Time w/comment	

O - Other (Blr Use) w/comment

Firing Method Description	
Automatic	
Manual	
Unfired	
Other w/comment	

HEATE Stamp Editipation
H - Cast Iron Heating Boiler
H - Heating Boiler
HLW - Lined Potable Water Heater
S - Power Boiler
A - Assembly, Power Boiler
E - Electric Boiler
M - Miniature Boiler
MD Non Standard w/comment
MD Special w/comment
U - Pressure Vessel, Div 1
UM - Pressure Vessel, Miniature
U2 - Pressure Vessel, Div 2
U3 - Pressure Vessel, Div 3
N - Nuclear Component
N3 - Nuclear Component
NA - Nuclear Assembly
NPT - Nuclear Partial
PP - Power Piping
T - Transport Tank

1 - Hansport Tank	
Other w/comment	
Relief Device Capacity Units	
BTU/HR	
LB/HR or PPH	
LB STEAM/HR	
LB STEAM/MIN	
CFM	
GPM	
GPH	
LB AIR/HR	
LB AIR/MIN	
K-FACTOR w/comment	
Status Description	
Active	

	Active
	Inactive
	Scrapped
	Exempt w/comment
	Lost w/comment
Ī	Inspection Type Description

Inspection Type Description
External
Internal
Accident
COS

Type Description
Vertical Unfired Pressure Vessel w/comment
Horizontal Unfired Pressure Vessel w/comment
Steam Coil Water Heater
Autoclave
Unfired Kettle
Unfired Superheater
Heat Exchanger - Shell and Tube
Heat Exchanger - Steam Generator
Heat Exchanger - Plate
Heat Exchanger - Other w/comment
Miniature Pressure Vessel
Dryer Can
Fired Press Vess w/comment
Other w/comment

Fluid Description
Air
Air and Water
Air and Oil
Inert Gas and Oil w/comment
Oil - Lube
Oil - Fuel
Oil - Hydraulic
Refrigerant
Water - Cold
Water - Hot
Water and Steam
Nitrogen (as gas)
Nitrogen (as liquid)
Oxygen (as gas)
Oxygen (as liquid)
Carbon Dioxide (as gas)
Carbon Dioxide (as liquid)
Argon (as gas)
Argon (as liquid)
Hydrogen (as gas)
Hydrogen (as liquid)
Natural Gas (as gas)
LNG (liquid natural gas)
LPG (as gas)
LPG (as liquid)
Ammonia (as gas)
Ammonia (as liquid)
Other Gas w/comment
Other Liquid w/comment

PRESSURE VESSEL LOOKUP OPTIONS

Use Description
V - Storage (NOT Cryogenic)
V - Storage (Cryogenic)
V - Process-Drying
V - Process-Sterilizing
V - Process-Cooking
V - Process-Vulcanizing
V - Process-Ironing
V - Process-Heat Transfer-Feedwater Heater
V - Process-Heat Transfer-Other w/comment
V - Process-Deaerating
V - Process-Reactor/Digestor
V - Process-Filter/Strainer
V - Process-Separator
V - Process-Vaporizer
A - Antique w/comment
M - Model w/comment
R - Amusement Ride w/comment
N - Nuclear w/comment
P - Portable w/comment
O - Other (PV Use) w/comment

ASME Stamp Description
U - Pressure Vessel, Div 1
UM - Pressure Vessel, Miniature
U2 - Pressure Vessel, Div 2
U3 - Pressure Vessel, Div 3
T - Transport Tank
MD Non Standard w/comment
MD Special w/comment
H - Cast Iron Heating Boiler
H - Heating Boiler
HLW - Lined Potable Water Heater
S - Power Boiler
A - Assembly, Power Boiler
E - Electric Boiler
M - Miniature Boiler
N - Nuclear Component
N3 - Nuclear Component
NA - Nuclear Assembly
NPT - Nuclear Partial
PP - Power Piping
Other w/comment

Relief Device Capacity Units
CFM
GPM
GPH
LB AIR/HR
LB AIR/MIN
BTU/HR
LB/HR or PPH
LB STEAM/HR
LB STEAM/MIN
K-FACTOR w/comment

Status Description	
Active	
Inactive	
Scrapped	
Exempt w/comment	
Lost w/comment	

Inspection Type Description
External
Internal
Accident
COS

BOILER VIOLATIONS		
Code	Category	Subcategory
1.1.1	Boiler Controls -	Low Water Cutoff is not installed or
	LWCO and Flow	installed incorrectly or inoperable or
	Sensing	damaged or leaking.
1.1.2	Boiler Controls -	Second Low Water Cutoff installation is
	LWCO and Flow	not satisfactory
	Sensing	
1.1.3	Boiler Controls -	Low Water Cutoff is not able to be reset
	LWCO and Flow	manually
114	Sensing	Y W. C. C. C. L. L. L.
1.1.4	Boiler Controls - LWCO and Flow	Low Water Cutoff is located too low or too high
	Sensing Sensing	too nign
1.1.5	Boiler Controls -	Low Water Cutoff is not able to be
1.1.3	LWCO and Flow	tested
	Sensing	tested
1.1.6	Boiler Controls -	Low Water Cutoff is inoperable or
1.1.0	LWCO and Flow	damaged or leaking or bypassed.
	Sensing	3 31
1.1.7	Boiler Controls -	Low Water Cutoff(s) Drain installation
	LWCO and Flow	is not satisfactory
	Sensing	-
1.1.8	Boiler Controls -	Low Water Cutoff(s) Drain Valve
	LWCO and Flow	installation is not satisfactory
	Sensing	
1.1.9	Boiler Controls -	Low Water Cutoff(s) Drain is clogged.
	LWCO and Flow	
1.1.10	Sensing Boiler Controls -	Low Water Cutoff Float Chamber
1.1.10	LWCO and Flow	contains accumulation of sediment.
	Sensing Sensing	contains accumulation of sediment.
1.1.11	Boiler Controls -	Low Water Cutoff Pipe is leaking.
1.1.11	LWCO and Flow	Low Water Cutoff I spe is leaking.
	Sensing	
1.1.12	Boiler Controls -	Low Water Cutoff Pipe Diameter or
	LWCO and Flow	Pipe Schedule or Pipe Material is
	Sensing	incorrect.
1.1.13	Boiler Controls -	Cross pipe fittings are not installed
	LWCO and Flow	where required.
1 1 1 4	Sensing	Y WY C C CC A1 : 4 H C :
1.1.14	Boiler Controls - LWCO and Flow	Low Water Cutoff Alarm installation is
	Sensing Sensing	not satisfactory
1.1.15	Boiler Controls -	Low Water Cutoff Alarm Wiring
1.1.13	LWCO and Flow	installation is not satisfactory
	Sensing	
1.1.16	Boiler Controls -	Water Level Control Device installation
	LWCO and Flow	is not satisfactory
	Sensing	
1.1.30	Boiler Controls -	Flow Sensing Device and Switch is not
	LWCO and Flow	installed/installed
	Sensing	incorrectly/inoperable/damaged/leaking.
1.1.31	Boiler Controls -	Flow Sensing Device and Switch is
	LWCO and Flow Sensing	inoperable or damaged or leaking or bypassed.
1.1.32	Boiler Controls -	Flow Sensing Device and Switch is not
1.1.32	LWCO and Flow	able to be tested
	Sensing	and to be tosted
1.1.33	Boiler Controls -	Flow Sensing Device Pipe is leaking.
	LWCO and Flow	The state of the s
	Sensing	

~ .		VIOLATIONS
Code	Category	Subcategory
1.1.34	Boiler Controls -	Flow Sensing Device Pipe Diameter or
	LWCO and Flow	Pipe Schedule or Pipe Material is
	Sensing	incorrect.
1.1.35	Boiler Controls -	Feedwater Pump Control Device
	LWCO and Flow	installation is not satisfactory
	Sensing	
1.1.36	Boiler Controls -	Low Flow Alarm is not installed or
	LWCO and Flow	installed incorrectly or inoperable or
	Sensing	damaged or leaking.
1.1.37	Boiler Controls -	Low Flow Cutoff Alarm Wiring
	LWCO and Flow	installation is not satisfactory
	Sensing	
1.1.99	Boiler Controls -	Other
	LWCO and Flow	
	Sensing	
1.2.1	Boiler Controls -	Water Column is not installed or
	Water Column/Level	installed incorrectly or inoperable or
	Indicator	damaged or leaking.
1.2.2	Boiler Controls -	Water Column is not able to be blown
	Water Column/Level	down.
	Indicator	
1.2.3	Boiler Controls -	Water Column contains sediment.
	Water Column/Level	
	Indicator	
1.2.4	Boiler Controls -	Water Column Drain is not installed or
	Water Column/Level	installed incorrectly or inoperable or
	Indicator	damaged or leaking.
1.2.20	Boiler Controls -	Water Level Indicator is not installed or
	Water Column/Level	installed incorrectly or inoperable or
	Indicator	damaged or leaking.
1.2.21	Boiler Controls -	Water Level Indicator Glass is not
	Water Column/Level	installed/installed
	Indicator	incorrectly/inoperable/damaged/leaking
1.2.22	Boiler Controls -	Water Level Indicator Glass is broken.
	Water Column/Level	
	Indicator	
1.2.23	Boiler Controls -	Water Level Indicator Glass is dirty.
	Water Column/Level	
	Indicator	
1.2.24	Boiler Controls -	Water Level Indicator contains
	Water Column/Level	sediment.
	Indicator	1
1.2.25	Boiler Controls -	Water Level Indicator is not able to be
	Water Column/Level	blown down.
	Indicator	
1.2.26	Boiler Controls -	Water Level Indicator Drain is not
	Water Column/Level	installed/installed
	Indicator	incorrectly/inoperable/damaged/leaking
1.2.27	Boiler Controls -	Water Level Indicator Drain is leaking.
	Water Column/Level	l summing.
	Indicator	
1.2.28	Boiler Controls -	Water Level Indicator Valve is leaking.
1.2.26	Water Column/Level	alor Level Indicator varve is leaking.
	Indicator	
1.2.29	Boiler Controls -	Water Level Indicator located remotely
1.2.29	Water Column/Level	installation is not satisfactory
	" att Column Level	mountation is not satisfactory
	Indicator	
1 2 00	Indicator	Othor
1.2.99	Indicator Boiler Controls - Water Column/Level	Other

	POLLED	VIOLATIONS
G 1		VIOLATIONS
Code	Category	Subcategory
1.3.1	Boiler Controls -	Pressure Indicator is not installed or
	Pressure Gauge	installed incorrectly or inoperable or
1.2.2	Boiler Controls -	damaged or leaking. Pressure Indicator Siphon installation is
1.3.2		
1.2.2	Pressure Gauge Boiler Controls -	not satisfactory Pressure Indicator Glass installation is
1.3.3	Pressure Gauge	
1.3.4	Boiler Controls -	not satisfactory
1.5.4		Pressure Indicator is inoperable.
1.3.5	Pressure Gauge Boiler Controls -	Pressure Indicator is not calibrated
1.5.5	Pressure Gauge	correctly.
1.3.6	Boiler Controls -	Pressure Indicator scale is not correct
1.5.0	Pressure Gauge	Fressure indicator scale is not correct
1.3.7	Boiler Controls -	Pressure Indicator is located incorrectly.
1.5.7	Pressure Gauge	ressure indicator is located incorrectly.
1.3.8	Boiler Controls -	Pressure Indicator is leaking.
1.5.0	Pressure Gauge	ressure indicator is leaking.
1.3.9	Boiler Controls -	Pressure Indicator is corroded.
1.5.7	Pressure Gauge	Tressure maleutor is corroded.
1.3.10	Boiler Controls -	Pressure Indicator Inlet contains an
1.5.10	Pressure Gauge	uncontrolled valve.
1.3.11	Boiler Controls -	Pressure Indicator Test Connection
1.0.11	Pressure Gauge	installation is not satisfactory
1.3.30	Boiler Controls -	Pressure/Temp. Combined Indicator is
	Pressure Gauge	not installed/installed
		incorrectly/inoperable/damaged/leaking
1.3.31	Boiler Controls -	Pressure/Temperature Combined
	Pressure Gauge	Indicator scale is incorrect.
1.3.99	Boiler Controls -	Other
	Pressure Gauge	
1.4.1	Boiler Controls -	Pressure Control Device for Operating
	Pressure Controls	Pressure installation is not satisfactory
1.4.2	Boiler Controls -	Pressure Control Device for High
1.12	Pressure Controls	Pressure installation is not satisfactory
1.4.3	Boiler Controls -	Pressure Control Device Siphon or
1.4.4	Pressure Controls Boiler Controls -	equivalent installation is not satisfactory Pressure Control Device Piping
1.4.4	Pressure Controls	installation is not satisfactory
1.4.5	Boiler Controls -	Pressure Control Device Inlet contains
1.4.3	Pressure Controls	an uncontrolled valve.
1.4.6	Boiler Controls -	Pressure Control Device is not able to be
1.4.0	Pressure Controls	reset manually.
1.4.7	Boiler Controls -	Pressure Control Device Cover
1.1.7	Pressure Controls	installation is not satisfactory
1.4.8	Boiler Controls -	Pressure Control Device Electrical
	Pressure Controls	Wiring Box Cover installation is not
		satisfactory
1.4.99	Boiler Controls -	Other
	Pressure Controls	
1.5.1	Boiler Controls -	Temperature Indicator is not installed or
	Temp. Indication and	installed incorrectly or inoperable or
	Control	damaged or leaking.
1.5.30	Boiler Controls -	Temperature Control Device for
	Temp. Indication and	Operating Temperature installation is
	Control	not satisfactory
1.5.31	Boiler Controls -	Temp Control Device for High Temp is
	Temp. Indication and	not installed/installed
<u></u>	Control	incorrectly/inoperable/damaged/leaking.

Page 3

BOILER VIOLATIONS		
Code	Category	Subcategory
1.5.32	Boiler Controls -	Temp Control Device for High
	Temp. Indication and	Temperature does not limit operating
	Control	temperature to no more than 210° F
1.5.33	Boiler Controls -	Temperature Control Device Inlet
	Temp. Indication and	contains an uncontrolled valve.
	Control	
1.5.34	Boiler Controls -	Temperature Control Device is not able
	Temp. Indication and	to be reset manually.
	Control	
1.5.35	Boiler Controls -	Temperature Control Device Cover
	Temp. Indication and	installation is not satisfactory
	Control	
1.5.36	Boiler Controls -	Temperature Control Device Electrical
	Temp. Indication and	Wiring Box Cover installation is not
	Control	satisfactory
1.5.99	Boiler Controls -	Other
	Temp. Indication and	
161	Control	
1.6.1	Boiler Controls -	Controls and Safety Device is not
	Undefined Violations	installed / installed incorrectly /
1.6.30	Boiler Controls -	inoperable / damaged / leaking Controls and Safety Device test is not
1.0.30	Undefined Violations	documented.
1.6.31	Boiler Controls -	Controls and Safety Device Installer's
1.0.31	Undefined Violations	Report is not documented.
1.6.40	Boiler Controls -	Controls and Safety Device Electrical
1.0.40	Undefined Violations	Wiring installation is not satisfactory
1.6.41	Boiler Controls -	Lockable Service Disconnect Switch
1.0.41	Undefined Violations	installation is not satisfactory
1.6.42	Boiler Controls -	Emergency Shutdown Switch
1.02	Undefined Violations	installation is not satisfactory
1.6.99	Boiler Controls -	Other
	Undefined Violations	
2.1.1	Boiler Piping - Main	Main Fluid System is not installed or
	Fluid System	installed incorrectly or inoperable or
		damaged or leaking.
2.1.2	Boiler Piping - Main	Main Fluid System Pipe is not installed
	Fluid System	or installed incorrectly or inoperable or
		damaged or leaking
2.1.3	Boiler Piping - Main	Main Fluid System Pipe is leaking.
	Fluid System	
2.1.4	Boiler Piping - Main	Main Fluid System Pipe Diameter or
	Fluid System	Pipe Schedule or Pipe Material is
2.1.20	Della Dialas Maia	incorrect.
2.1.20	Boiler Piping - Main Fluid System	Main Fluid Stop Valve is not installed between the Boiler and the Check Valve
2.1.21	Boiler Piping - Main	Main Fluid Stop Valve Drain
2.1.21	Fluid System	installation is not satisfactory
2.1.22	Boiler Piping - Main	Main Fluid Stop Valve is not rated for
2.1.22	Fluid System	this service
2.1.23	Boiler Piping - Main	Main Fluid Stop valve is installed in the
2.1.23	Fluid System	wrong direction
2.1.24	Boiler Piping - Main	Main Fluid Stop Valve Manual Operator
	Fluid System	installation is not satisfactory
2.1.25	Boiler Piping - Main	Main Fluid Stop valve is leaking.
	Fluid System	
2.1.26	Boiler Piping - Main	Main Fluid Stop Valve Support
	Fluid System	Structure is not satisfactory
2.1.99	Boiler Piping - Main	Other
	Fluid System	
-		•

1111		
	BOILER	VIOLATIONS
Code	Category	Subcategory
2.2.1	Boiler Piping -	Blowoff Tank is not installed or
	Bottom Blow and	installed incorrectly or inoperable or
	Drain Systems	damaged or leaking.
2.2.2	Boiler Piping -	Blowoff System is not installed or
	Bottom Blow and	installed incorrectly or inoperable or
	Drain Systems	damaged or leaking.
2.2.3	Boiler Piping -	Blowoff System Pipe is not installed or
	Bottom Blow and	installed incorrectly or inoperable or
	Drain Systems	damaged or leaking.
2.2.4	Boiler Piping -	Blowoff System Pipe Diameter or Pipe
	Bottom Blow and	Schedule or Pipe Material is incorrect.
	Drain Systems	
2.2.5	Boiler Piping -	Blowoff System Pipe is leaking.
	Bottom Blow and	
	Drain Systems	
2.2.20	Boiler Piping -	Blowoff System Valve is not installed or
	Bottom Blow and	installed incorrectly or inoperable or
	Drain Systems	damaged or leaking.
2.2.21	Boiler Piping -	Blowoff System Second Valve
	Bottom Blow and	installation is not satisfactory
	Drain Systems	
2.2.22	Boiler Piping -	Blowoff System Valve is not rated for
	Bottom Blow and	this service.
	Drain Systems	
2.2.23	Boiler Piping -	Blowoff System Valve is installed in the
	Bottom Blow and	wrong direction.
	Drain Systems	
2.2.24	Boiler Piping -	Blowoff System Valve Manual Operator
	Bottom Blow and	installation is not satisfactory
2 2 2 5	Drain Systems	D1 000 - 111 - 111
2.2.25	Boiler Piping -	Blowoff System Valve is leaking.
	Bottom Blow and	
2.2.99	Drain Systems Boiler Piping -	Other
2.2.99	Bottom Blow and	Other
	Drain Systems	
2.3.1	Boiler Piping - FW	Feedwater/Condensate Return/Makeup
2.3.1	Condensate/Return	Water installation is not satisfactory
	System	water installation is not satisfactory
2.3.4	Boiler Piping - FW	Feedwater Storage Tank installation is
2.3.4	Condensate/Return	not satisfactory
	System	not sucisfactory
2.3.5	Boiler Piping - FW	Feedwater Storage Tank installation is
2.5.5	Condensate/Return	contaminated with oil or other foreign
	System	material.
2.3.20	Boiler Piping - FW	Feedwater System Pipe Condensate
	Condensate/Return	Return does not form a loop ("Hartford
	System	Loop")
2.3.21	Boiler Piping - FW	Feedwater System Pipe is not installed
	Condensate/Return	or installed incorrectly or inoperable or
	System	damaged or leaking.
2.3.22	Boiler Piping - FW	Feedwater System Pipe Diameter or
	Condensate/Return	Pipe Schedule or Pipe Material is
	System	incorrect.
2.3.30	Boiler Piping - FW	Feedwater/Condensate Check Valve is
	Condensate/Return	not satisfactory
	System	
2.3.31	Boiler Piping - FW	Feedwater Stop valve is not installed or
	Condensate/Return	installed incorrectly or inoperable or
	System	damaged or leaking.

	BOILER	VIOLATIONS
Code	Category	Subcategory
2.3.32	Boiler Piping - FW	Feedwater Regulator Valve is not
	Condensate/Return	installed / installed incorrectly /
	System	inoperable / damaged / leaking.
2.3.99	Boiler Piping - FW	Other
	Condensate/Return	
	System	
2.4.1	Boiler	Expansion Tank is not installed or
	Piping/Expansion	installed incorrectly or inoperable or
2.4.2	Tanks/Htg Sys Piping Boiler	damaged or leaking. Expansion Tank is not rated for this
2.4.2	Piping/Expansion	service.
	Tanks/Htg Sys Piping	service.
2.4.3	Boiler	Expansion Tank is Non Standard ("non
	Piping/Expansion	code").
	Tanks/Htg Sys Piping	,
2.4.4	Boiler	Expansion Tank is water logged.
	Piping/Expansion	
	Tanks/Htg Sys Piping	
2.4.5	Boiler	Expansion Tank Water Level Indicator
	Piping/Expansion	installation is not satisfactory
2.4.6	Tanks/Htg Sys Piping Boiler	Expansion Tank Bladder installation is
2.4.0	Piping/Expansion	not satisfactory
	Tanks/Htg Sys Piping	not satisfactory
2.4.7	Boiler	Expansion Tank Drain is not installed or
2.1.7	Piping/Expansion	installed incorrectly or inoperable or
	Tanks/Htg Sys Piping	damaged or leaking.
2.4.8	Boiler	Expansion Tank not installed but Check
	Piping/Expansion	Valve is installed on cold water inlet of
	Tanks/Htg Sys Piping	HWS System
2.4.9	Boiler	Expansion Tank Pipe is not installed or
	Piping/Expansion	installed incorrectly or inoperable or
2.4.99	Tanks/Htg Sys Piping Boiler	damaged or leaking. Other
2.4.99	Piping/Expansion	Other
	Tanks/Htg Sys Piping	
2.5.1	Boiler Piping -	Flue Gas Discharge System installation
	Casing, Stack	is not satisfactory
	Breeching & Flue	•
2.5.2	Boiler Piping -	Barometric Damper is not installed or
	Casing, Stack	installed incorrectly or inoperable or
	Breeching & Flue	damaged or leaking.
2.5.3	Boiler Piping -	Flue Gas Discharge System contains
	Casing, Stack Breeching & Flue	Ash and Refuse in the base.
2.5.4	Boiler Piping -	Flue Gas Discharge System shows
2.3.4	Casing, Stack	excess carbon deposits.
	Breeching & Flue	cheess embon deposits.
2.5.5	Boiler Piping -	Flue Gas Discharge System shows
	Casing, Stack	evidence of Flue Gas leaks.
	Breeching & Flue	
2.5.6	Boiler Piping -	Flue Gas Discharge System Damper is
	Casing, Stack	inoperable.
	Breeching & Flue	
2.5.7	Boiler Piping -	Flue Gas Discharge System shows
	Casing, Stack	evidence of a blockage.
2.5.8	Breeching & Flue Boiler Piping -	Flue Gas Discharge System shows
2.3.0	Casing, Stack	excessive corrosion.
	Breeching & Flue	CACCOSIVE COITOSION.
	2.cccining of 1 luc	

	BOILER	VIOLATIONS
Code	Category	Subcategory
2.5.99	Boiler Piping -	Other
	Casing, Stack	
	Breeching & Flue	
2.6.1	Boiler Piping -	Burner is not installed or installed
	Burners & Fuel	incorrectly or inoperable or damaged or
262	Supply Systems	leaking.
2.6.2	Boiler Piping - Burners & Fuel	Burner or tips are dirty
	Supply Systems	
2.6.3	Boiler Piping -	Burner Interlock with Combustion Air
2.0.3	Burners & Fuel	Supply System installation is not
	Supply Systems	satisfactory
2.6.4	Boiler Piping -	Burner Combustion Air System
	Burners & Fuel	installation is not satisfactory
	Supply Systems	•
2.6.5	Boiler Piping -	Burner Combustion Air System is
	Burners & Fuel	unable to deliver sufficient flow.
	Supply Systems	
2.6.6	Boiler Piping -	Burner Primary Flame Control Device
	Burners & Fuel	not installed/installed
2.6.7	Supply Systems	incorrectly/inoperable/damaged/leaking
2.6.7	Boiler Piping - Burners & Fuel	Burner Primary Flame Control Device Wiring installation is not satisfactory
	Supply Systems	witing installation is not satisfactory
2.6.8	Boiler Piping -	Burner Ignition system installation is not
2.0.0	Burners & Fuel	satisfactory
	Supply Systems	
2.6.9	Boiler Piping -	Burner Ignition is delayed
	Burners & Fuel	
	Supply Systems	
2.6.30	Boiler Piping -	Fuel Supply System is not installed or
	Burners & Fuel	installed incorrectly or inoperable or
	Supply Systems	damaged or leaking.
2.6.31	Boiler Piping - Burners & Fuel	Fuel Supply System Pipe Diameter or
		Pipe Schedule or Pipe Material is incorrect.
2.6.32	Supply Systems Boiler Piping -	Fuel Supply System Valve is not
2.0.32	Burners & Fuel	installed / installed incorrectly /
	Supply Systems	inoperable / damaged / leaking
2.6.33	Boiler Piping -	Fuel Supply System Valve with
	Burners & Fuel	Hydraulic Actuator installation is not
	Supply Systems	satisfactory
2.6.50	Boiler Piping -	Fuel Gas Supply System is vented
	Burners & Fuel	incorrectly.
	Supply Systems	
2.6.51	Boiler Piping - Burners & Fuel	Fuel Gas Supply System Drip Leg
	Supply Systems	installation is not satisfactory
2.6.52	Boiler Piping -	Fuel Gas Regulator Diaphragm
2.0.32	Burners & Fuel	installation is not satisfactory
	Supply Systems	instantion is not satisfactory
2.6.53	Boiler Piping -	Fuel Gas Regulator Position Indicator
	Burners & Fuel	installation is not satisfactory
	Supply Systems	-
2.6.54	Boiler Piping -	Fuel Gas Supply Meter is located in the
	Burners & Fuel	boiler room.
	Supply Systems	
2.6.99	Dailar Dinina	Other
	Boiler Piping -	Other
	Burners & Fuel Supply Systems	Other

	BOILER	VIOLATIONS
Code	Category	Subcategory
2.7.1	Boiler Piping - Other	Boiler External Piping contains non
2.7.1	Systems Undefined	Code material, (among which may be
	Viol.	galvanized elements).
2.7.2	Boiler Piping - Other	Boiler External Piping is not installed /
2.7.2	Systems Undefined	installed incorrectly / inoperable /
	Viol.	damaged / leaking.
2.7.3	Boiler Piping - Other	Boiler Proper is not installed or installed
2.7.5	Systems Undefined	incorrectly or inoperable or damaged or
	Viol.	leaking.
2.7.4	Boiler Piping - Other	Non Boiler External Piping is not
2.7.1	Systems Undefined	installed / installed incorrectly /
	Viol.	inoperable / damaged / leaking
2.7.99	Boiler Piping - Other	Other
2.7.	Systems Undefined	Other
	Viol.	
3.1.1	Boiler MDR &	Object Manufacturers' Data Report is
5.1.1	Nameplate - No Data	unavailable or illegible or incorrect.
	Report	unavanable of megicle of medicet.
3.2.1	Boiler MDR &	Object Nameplate or Stamping is
3.2.1	Nameplate -	unavailable or illegible or incorrect.
	Incorrect/Missing	unavanable of megicle of medicet.
3.2.2	Boiler MDR &	Minimum Low Water Level Mark not
3.2.2	Nameplate -	installed / installed incorrectly /
	Incorrect/Missing	inoperable / damaged / leaking
3.3.1	Boiler MDR &	Boiler Manufacturer's Data Report And
5.5.1	Nameplate -	Nameplate Undefined Violations
	Undefined	Transplate Chachinea Violations
3.3.2	Boiler MDR &	Object is Non Standard ("non code")
	Nameplate -	
	Undefined	
4.1.1	Boiler Components -	Handhole or gasket or gasket seat
	Water Leaks	installation is not satisfactory
4.1.20	Boiler Components -	Head is not installed or installed
	Water Leaks	incorrectly or inoperable or damaged or
		leaking.
4.1.30	Boiler Components -	Shell is not installed or installed
	Water Leaks	incorrectly or inoperable or damaged or
		leaking.
4.1.40	Boiler Components -	Tubesheet is not installed or installed
-	Water Leaks	incorrectly or inoperable or damaged or
		leaking.
4.1.50	Boiler Components -	Tube/tube ends is not installed or
	Water Leaks	installed incorrectly or inoperable or
		damaged or leaking.
4.1.60	Boiler Components -	Manway gasket is not installed or
	Water Leaks	installed incorrectly or inoperable or
		damaged or leaking.
4.1.70	Boiler Components -	Other Component is not installed or
	Water Leaks	installed incorrectly or inoperable or
		damaged or leaking.
4.2.1	Boiler Components -	Baffle or Refractory is not installed or
	Baffles and/or	installed incorrectly or inoperable or
	Refractory	damaged or leaking.
4.2.2	Boiler Components -	Baffle or Refractory is Bent.
	Baffles and/or	
	Refractory	
4.2.3	Boiler Components -	Baffle or Refractory is Deteriorated.
	Baffles and/or	_
	Refractory	T. Control of the Con

BOILER VIOLATIONS		
Code	Category	Subcategory
4.2.4	Boiler Components -	Baffle or Refractory is out of place.
	Baffles and/or	
	Refractory	
4.2.99	Boiler Components -	Other
	Baffles and/or Refractory	
4.3.1	Boiler Components -	Furnace or Fireside is not installed or
4.3.1	Furnace and Fireside	installed incorrectly or inoperable or
	I difface and I fieside	damaged or leaking.
4.3.2	Boiler Components -	Firebox is bulged.
	Furnace and Fireside	, and the second
4.3.3	Boiler Components -	Front tubesheet is bulged.
	Furnace and Fireside	
4.3.4	Boiler Components -	Firebox is cracked.
	Furnace and Fireside	
4.3.5	Boiler Components -	Firebox is corroded
126	Furnace and Fireside	
4.3.6	Boiler Components - Furnace and Fireside	Furnace tube is cracked.
4.3.7	Boiler Components -	Sootblower is misaligned.
4.5.7	Furnace and Fireside	Sociolower is misangueu.
4.3.8	Boiler Components -	Firebox contains unburned fuel.
1.5.0	Furnace and Fireside	These contains unburied rue.
4.3.99	Boiler Components -	Other
	Furnace and Fireside	
4.4.1	Boiler Components -	Waterside shows evidence of excess oil
	Waterside	accumulation.
4.4.2	Boiler Components -	Waterside is corroded.
	Waterside	***
4.4.3	Boiler Components - Waterside	Waterside is pitted.
4.4.4	Boiler Components -	Waterside shows evidence of excess
7.7.7	Waterside	accumulation of scale or other foreign
		material.
4.4.5	Boiler Components -	Waterside shows evidence of excess
	Waterside	accumulation of sludge or other foreign
		material.
4.4.6	Boiler Components -	Stay or staybolt is broken or
4.4.00	Waterside	deteriorated.
4.4.99	Boiler Components - Waterside	Other
4.5.1	Boiler Components -	Superheater is not installed or installed
4.5.1	Superheaters	incorrectly or inoperable or damaged or
		leaking.
4.5.2	Boiler Components -	Superheater is corroded.
	Superheaters	
4.5.3	Boiler Components -	Superheater Support is not installed or
	Superheaters	installed incorrectly or inoperable or
1500	D 11 G	damaged or leaking.
4.5.99	Boiler Components -	Other
4.6.1	Superheaters Boiler Components -	Economizer is not installed or installed
4.0.1	Economizers	incorrectly or inoperable or damaged or
	Leonomizers	leaking.
4.6.2	Boiler Components -	Economizer is corroded.
	Economizers	
4.6.3	Boiler Components -	Economizer Support is not installed or
	Economizers	installed incorrectly or inoperable or
		damaged or leaking.

BOILER VIOLATIONS		
Code	Category	Subcategory
4.6.99	Boiler Components - Economizers	Other
4.7.1	Boiler Components - Installation	Clearance is insufficient.
4.7.2	Boiler Components - Installation	Object Setting is not installed or installed incorrectly or inoperable or damaged or leaking.
4.7.3	Boiler Components - Installation	Object Support is not installed or installed incorrectly or inoperable or damaged or leaking.
4.7.4	Boiler Components - Installation	Object Vicinity is cluttered and is used for storage therefore interfering with an inspection.
4.7.99	Boiler Components - Installation	Other
4.8.1	Boiler Components - Undefined Violations	Boiler is not installed or installed incorrectly or inoperable or damaged or leaking.
4.8.2	Boiler Components - Undefined Violations	Certificate of Inspection is expired.
4.8.3	Boiler Components - Undefined Violations	Certificate of Inspection is not posted.
4.8.4	Boiler Components - Undefined Violations	Notice of Installation was not submitted at least 30 days prior to installation.
4.8.5	Boiler Components - Undefined Violations	Notice of Installation is not available at time of the inspection.
4.8.6	Boiler Components - Undefined Violations	Manufacturer's Operation Manual is not available.
4.8.7	Boiler Components - Undefined Violations	Manufacturer's Installation Manual is not available.
4.8.8	Boiler Components - Undefined Violations	Installer's Startup Checklist (ASME CSD-1 CG-500 App C) is not available at time of the inspection.
4.8.30	Boiler Components - Undefined Violations	Object is not new and is installed without approval of the Jurisdiction.
4.8.31	Boiler Components - Undefined Violations	Object is not prepared for internal inspection.
4.8.32	Boiler Components - Undefined Violations	Object requires an internal inspection.
4.8.50	Boiler Components - Undefined Violations	Hydrostatic test is required.
4.8.51	Boiler Components - Undefined Violations	Ultrasonic Thickness Testing is required.
4.8.52	Boiler Components - Undefined Violations	Non Destructive Examination is required.
4.8.99	Boiler Components - Undefined Violations	Other
5.1.1	Boiler Press Relief Device - Installation	Pressure Relief Device is not a Temperature/Pressure Safety Relief Valve.
5.1.20	Boiler Press Relief Device - Installation	Pressure Relief Device is not installed or installed incorrectly or inoperable or damaged or leaking
5.1.30	Boiler Press Relief Device - Installation	Pressure Relief Device nameplate is illegible or missing.
5.1.31	Boiler Press Relief Device - Installation	Pressure Relief Device Seal is missing or damaged.
5.1.32	Boiler Press Relief Device - Installation	Pressure Relief Device Seal is not the seal of an authorized testing agency.

	DOLLED	VIOLATIONS
- I		
Code	Category	Subcategory
5.1.33	Boiler Press Relief Device - Installation	Pressure Relief Device is not rated for this service.
5.1.34	Boiler Press Relief	Pressure Relief Device Capacity is too
	Device - Installation	low.
5.1.35	Boiler Press Relief	Pressure Relief Device Setpoint is too
7.1.26	Device - Installation	high.
5.1.36	Boiler Press Relief Device - Installation	Pressure Relief Device is unable to be tested.
5.1.37	Boiler Press Relief	Pressure Relief Device is not sufficient,
	Device - Installation	additional device is not installed.
5.1.50	Boiler Press Relief Device - Installation	Pressure Relief Device Inlet or Outlet contains an uncontrolled valve.
5.1.51	Boiler Press Relief	Pressure Relief Device Inlet contains a
	Device - Installation	restriction.
5.1.52	Boiler Press Relief	Pressure Relief Device Outlet contains a
5.1.53	Device - Installation Boiler Press Relief	restriction. Pressure Relief Device is installed
3.1.33	Device - Installation	backwards.
5.1.54	Boiler Press Relief	Pressure Relief Device is not discharged
5.1.55	Device - Installation Boiler Press Relief	to a safe area. Pressure Relief Device Spindle is not
3.1.33	Device - Installation	vertical.
5.1.99	Boiler Press Relief	Other
	Device - Installation	
5.2.1	Boiler Press Relief	Pressure Relief Device Discharge Piping
	Device - Operation	is not free to move.
5.2.2	Boiler Press Relief	Pressure Relief Device Discharge Piping
5.2.3	Device - Operation Boiler Press Relief	is not properly supported. Pressure Relief Device Discharge is
3.2.3	Device - Operation	plugged.
5.2.4	Boiler Press Relief	Pressure Relief Device Valve stem is
	Device - Operation	distorted or bent.
5.2.5	Boiler Press Relief Device - Operation	Pressure Relief Device is inoperable.
5.2.6	Boiler Press Relief	Pressure Relief Device is leaking.
	Device - Operation	J
5.2.7	Boiler Press Relief Device - Operation	Pressure Relief Device Blowdown is too little or too much.
5.3.1	Boiler Press Relief	Pressure Relief Device Undefined
3.3.1	Device-Undefined	Violation.
	PRD Valve	
7.1.1	Repairs/Alterations -	A Repair or Alteration performed by an
	Unqualified	Unqualified Organization without
7.1.2	Organization Repairs/Alterations -	jurisdictional authorization A Repair or Alteration performed by an
7.1.2	Unqualified	Unqualified Org w/o NB authorization
	Organization	to use the "R" stamp
7.1.3	Repairs/Alterations -	A Repair or Alteration performed by an
	Unqualified	Unqualified Org without meeting other
	Organization	jurisdictional reqs
7.2.1	Repairs/Alterations -	A Repair or Alteration is present which
	Unauthorized Repair	was performed without jurisdictional authorization.
7.3.1	Repairs/Alterations -	A Repair or Alteration is
	Code Deficiencies	undocumented/unsatisfactory/otherwise
		deficient in meeting reqs of Code
7.4.1	Repairs/Alterations -	A Repair or Alteration is present which
	Undefined Violations	is undocumented or unsatisfactory or
	1	otherwise deficient.

1	PRESSURE VESS	SEL VIOLATIONS
Code	Category	Subcategory
6.1.1	Pressure Vessels -	Pressure Vessel is not installed or
	Installation	installed incorrectly or inoperable or
(12	Pressure Vessels -	damaged or leaking. Pressure Vessel Support installation is
6.1.2	Installation	not satisfactory
6.1.3	Pressure Vessels -	Pressure Vessel Piping installation is
	Installation	not satisfactory
6.1.99	Pressure Vessels -	Other
6.2.1	Installation	D W 1M : 1:
6.2.1	Pressure Vessels - Material Condition	Pressure Vessel Material is not installed/installed
	Waterial Colluition	incorrectly/inoperable/damaged/leaking
6.2.2	Pressure Vessels -	Pressure Vessel Material is Cracked.
	Material Condition	
6.2.3	Pressure Vessels -	Pressure Vessel Material is Pitted.
6.2.4	Material Condition Pressure Vessels -	Pressure Vessel Material is Corroded.
0.2.4	Material Condition	Pressure Vessel Material is Corroded.
6.2.99	Pressure Vessels -	Other
	Material Condition	
6.3.1	Pressure Vessels -	Object Manufacturers' Data Report is
(22	MDR & Nameplate	unavailable or illegible or incorrect. Object Nameplate or Stamping is
6.3.2	Pressure Vessels - MDR & Nameplate	Unavailable or illegible or incorrect.
6.3.3	Pressure Vessels -	Object Manufacturers' Data Report or
0.5.5	MDR & Nameplate	Nameplate or Stamping is otherwise
		deficient.
6.3.4	Pressure Vessels -	Object is Non Standard ("non code").
6.4.10.10	MDR & Nameplate Pressure Vessels -	Pressure Relief Device is not installed
6.4.10.10	Pressure Vessels - Pressure Relieving	or installed incorrectly or inoperable or
	Devices	damaged or leaking
6.4.10.20	Pressure Vessels -	Pressure Relief Device nameplate is
	Pressure Relieving	illegible or missing.
6.4.10.21	Devices Pressure Vessels -	Pressure Relief Device Seal is missing
0.4.10.21	Pressure Relieving	or damaged.
	Devices	or damaged.
6.4.10.22	Pressure Vessels -	Pressure Relief Device Seal is not the
	Pressure Relieving	seal of an authorized testing agency.
6.4.10.23	Devices Pressure Vessels -	Pressure Relief Device is not rated for
0.4.10.23	Pressure Relieving	this service.
	Devices	ting service.
6.4.10.24	Pressure Vessels -	Pressure Relief Device Capacity is too
	Pressure Relieving	low.
6.4.10.25	Devices Pressure Vessels -	Pressure Relief Device Setpoint is too
0.4.10.23	Pressure Relieving	high.
	Devices	mg.n.
6.4.10.26	Pressure Vessels -	Pressure Relief Device is unable to be
	Pressure Relieving	tested.
6.4.10.27	Devices	Processing Delief Device is not suffer
0.4.10.27	Pressure Vessels - Pressure Relieving	Pressure Relief Device is not sufficient, additional device is not installed.
1	Devices	additional device is not histaned.
6.4.10.40	Pressure Vessels -	Pressure Relief Device Inlet or Outlet
1	Pressure Relieving	contains an uncontrolled valve.
	Devices	

		SEL VIOLATIONS
Code	Category	Subcategory
6.4.10.41	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Inlet contains a restriction.
6.4.10.42	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Outlet contains a restriction.
6.4.10.43	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device is installed backwards.
6.4.10.44	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device is not discharged to a safe area.
6.4.10.45	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Spindle is not vertical.
6.4.20.1	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Discharge Piping is not free to move.
6.4.20.2	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Discharge Piping is not properly supported.
6.4.20.3	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Discharge is plugged.
6.4.20.4	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Valve stem is distorted or bent.
6.4.20.5	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device is inoperable.
6.4.20.6	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device is leaking.
6.4.20.7	Pressure Vessels - Pressure Relieving Devices	Pressure Relief Device Blowdown is too little or too much.
6.4.20.8	Pressure Vessels - Pressure Relieving Devices	Undefined Pressure Relieving Devices Violations
6.5.1	Pressure Vessels - Undefined Violations	Pressure Vessel is not installed or installed incorrectly or inoperable or damaged or leaking.
6.5.20	Pressure Vessels - Undefined Violations	Pressure Vessel Automatic Drain Valve installation is not satisfactory
6.5.21	Pressure Vessels - Undefined Violations	Pressure Vessel Manual Drain Valve installation is not satisfactory
6.5.30	Pressure Vessels - Undefined Violations	Object Vicinity is cluttered and is used for storage therefore interfering with an inspection.
6.5.40	Pressure Vessels - Undefined Violations	Pressure Indicator is not installed or installed incorrectly or inoperable or damaged or leaking.
6.5.41	Pressure Vessels - Undefined Violations	Pressure Indicator Siphon or equivalent installation is not satisfactory
6.5.42	Pressure Vessels - Undefined Violations	Pressure Indicator is not calibrated correctly.

	DDECCUDE VEC	CEL VIOLATIONS
		SEL VIOLATIONS
Code	Category	Subcategory
6.5.43	Pressure Vessels -	Pressure Indicator scale is not correct.
	Undefined	
6.5.50	Violations	B V 10
6.5.50	Pressure Vessels -	Pressure Vessel Compressor
	Undefined	installation is not satisfactory
(5 5 1	Violations	D V 10 D1
6.5.51	Pressure Vessels -	Pressure Vessel Compressor Belt
	Undefined	Guard is missing, damaged or
(5.00	Violations	incorrectly installed.
6.5.60	Pressure Vessels -	Certificate of Inspection is expired.
	Undefined	
6.5.61	Violations Pressure Vessels -	Certificate of Inspection is not posted.
0.5.01	Undefined	Certificate of Inspection is not posted.
6.5.70	Violations Pressure Vessels -	Notice of Installation was not
0.3.70	Undefined	submitted at least 30 days prior to
	Violations	installation.
6.5.71	Pressure Vessels -	Notice of Installation is not available at
0.5.71	Undefined	time of the inspection.
	Violations	time of the hispection.
6.5.72	Pressure Vessels -	Manufacturer's Operation Manual is
0.3.72	Undefined	not available.
	Violations	not available.
6.5.73	Pressure Vessels -	Manufacturer's Installation Manual is
0.5.75	Undefined	not available.
	Violations	not available.
6.5.74	Pressure Vessels -	Object is not new and is installed
0.5.71	Undefined	without approval of the Jurisdiction.
	Violations	without approval of the variouseiton.
6.5.80	Pressure Vessels -	Object is not prepared for internal
	Undefined	inspection.
	Violations	•
6.5.81	Pressure Vessels -	Object requires an internal inspection.
	Undefined	
	Violations	
6.5.82	Pressure Vessels -	Hydrostatic test is required.
	Undefined	
	Violations	
6.5.83	Pressure Vessels -	Ultrasonic Thickness Testing is
	Undefined	required.
	Violations	
6.5.84	Pressure Vessels -	Non Destructive Examination is
	Undefined	required.
	Violations	
6.5.99	Pressure Vessels -	Other
	Undefined	
	Violations	
7.1.1	Repairs/Alterations -	A Repair or Alteration performed by an
	Unqualified	Unqualified Organization without
	Organization	jurisdictional authorization
7.1.2	Repairs/Alterations -	A Repair or Alteration performed by an
	Unqualified	Unqualified Org w/o NB authorization
	Organization	to use the "R" stamp
7.1.3	Repairs/Alterations -	A Repair or Alteration performed by an
	Unqualified	Unqualified Org without meeting other
	Organization	jurisdictional reqs
7.2.1	Repairs/Alterations -	A Repair or Alteration is present which
	Unauthorized Repair	was performed without jurisdictional
		authorization.

PRESSURE VESSEL VIOLATIONS		
Code	Category	Subcategory
7.3.1	Repairs/Alterations - Code Deficiencies	A Repair or Alteration is undocumented/unsatisfactory/otherwise deficient in meeting reqs of Code
7.4.1	Repairs/Alterations - Undefined Violations	A Repair or Alteration is present which is undocumented or unsatisfactory or otherwise deficient.