

CHAPTER 3 - BOILER AND PRESSURE VESSEL DIVISION

SECTION .0100 - ORGANIZATION: DEFINITIONS

13 NCAC 03 .0101	NAME: ADDRESS
13 NCAC 03 .0102	PURPOSE: RESPONSIBILITIES
13 NCAC 03 .0103	ORGANIZATION
13 NCAC 03 .0104	BOARD
13 NCAC 03 .0105	DEFINITION OF TERMS

History Note: Authority G.S. 95-4; 95-69.11; 95-69.12; 95-69.13; 95-69.14; 95-69.15;
Eff. February 1, 1976;
Readopted Eff. September 30, 1977;
Repealed Eff. May 29, 1981.

SECTION .0200 - ADMINISTRATION

13 NCAC 03 .0201	CERTIFICATE OF COMPETENCY EXAMINATION
13 NCAC 03 .0202	STATE COMMISSION CARD
13 NCAC 03 .0203	INSPECTORS TO HAVE NO OTHER INTERESTS
13 NCAC 03 .0204	INSPECTION REPORTS BY SPECIAL INSPECTORS
13 NCAC 03 .0205	INSURANCE COMPANIES TO NOTIFY DIRECTOR
13 NCAC 03 .0206	SPECIAL INSPECTORS TO NOTIFY THE DIRECTOR
13 NCAC 03 .0207	OWNER-USER INSPECTION AGENCY
13 NCAC 03 .0208	OWNER OR USER TO NOTIFY DIRECTOR OF ACCIDENT

History Note: Authority G.S. 95-69.11; 95-69.14; 95-69.15; 95-69.16;
Eff. February 1, 1976;
Readopted Eff. September 30, 1977;
Repealed Eff. May 29, 1981.

13 NCAC 03 .0209 CERTIFICATE AND INSPECTION FEES

History Note: Legislative Objection Lodged Eff. June 16, 1980;
Legislative Objection Removed Eff. May 21, 1981;
Statutory Authority G.S. 95-69.11; 95-69.14;
Eff. February 1, 1976;
Readopted Eff. September 30, 1977;
Amended Eff. February 15, 1980;
Repealed Eff. May 29, 1981.

SECTION .0300 - GENERAL REQUIREMENTS

13 NCAC 03 .0301	CODES AND STANDARDS
13 NCAC 03 .0302	MINIMUM CONSTRUCTION STANDARDS
13 NCAC 03 .0303	FREQUENCY OF INSPECTIONS
13 NCAC 03 .0304	NOTIFICATION OF INSPECTION
13 NCAC 03 .0305	NOTIFICATION OF NONCOMPLIANCE
13 NCAC 03 .0306	DEFECTIVE CONDITIONS DISCLOSED
13 NCAC 03 .0307	VALIDITY OF INSPECTION CERTIFICATE
13 NCAC 03 .0308	RESTAMPING BOILERS AND PRESSURE VESSELS
13 NCAC 03 .0309	PENALTY FOR VIOLATION

13 NCAC 03 .0310	VESSELS NOW IN USE TO CONFORM
13 NCAC 03 .0311	CONDEMNED BOILERS AND PRESSURE VESSELS
13 NCAC 03 .0312	REINSTALLED STANDARD BOILERS OR PRESSURE VESSELS
13 NCAC 03 .0313	REINSTALLED NONSTANDARD BOILERS OR PRESSURE VESSELS
13 NCAC 03 .0314	INSTALLATION OF USED BOILERS OR PRESSURE VESSELS
13 NCAC 03 .0315	REINSTALLED STATIONARY BOILER OR PRESSURE VESSEL
13 NCAC 03 .0316	FACTOR OF SAFETY: EXISTING INSTALLATIONS
13 NCAC 03 .0317	REPAIRS BY WELDING
13 NCAC 03 .0318	RIVETED PATCHES
13 NCAC 03 .0319	REMOVAL OF SAFETY APPLIANCES
13 NCAC 03 .0320	REQUIREMENTS FOR NEW INSTALLATIONS
13 NCAC 03 .0321	NORTH CAROLINA SPECIAL
13 NCAC 03 .0322	APPLICATION OF STATE SERIAL NUMBERS
13 NCAC 03 .0323	RETURN LOOP CONNECTIONS
13 NCAC 03 .0324	SUGGESTIONS FOR OPERATION
13 NCAC 03 .0325	GAS BURNERS
13 NCAC 03 .0326	REPAIR AND RENEWAL OF FITTINGS AND APPLIANCES
13 NCAC 03 .0327	BLOWOFF EQUIPMENT
13 NCAC 03 .0328	PREPARATION FOR INSPECTION
13 NCAC 03 .0329	IMPROPER PREPARATION FOR INSPECTION
13 NCAC 03 .0330	REMOVAL OF COVERING TO PERMIT INSPECTION
13 NCAC 03 .0331	LAP-SEAM CRACK
13 NCAC 03 .0332	HYDROSTATIC PRESSURE TEST
13 NCAC 03 .0333	SAFETY AND/OR SAFETY RELIEF VALVES
13 NCAC 03 .0334	AUTOMATIC LOW-WATER FUEL CUTOFF AND WATER-FEEDING DEVICE
13 NCAC 03 .0335	HIGH LIMIT CONTROL
13 NCAC 03 .0336	PRESSURE-REDUCING VALVES
13 NCAC 03 .0337	BLOWOFF EQUIPMENT
13 NCAC 03 .0338	VENTING OF NON-PRESSURIZED CONDENSATE RECEIVERS
13 NCAC 03 .0339	LOCATION OF DISCHARGE PIPING OUTLETS
13 NCAC 03 .0340	MAJOR REPAIRS
13 NCAC 03 .0341	SAFETY APPLIANCES
13 NCAC 03 .0342	SUPPORTS
13 NCAC 03 .0343	BOILER DOOR LATCHES
13 NCAC 03 .0344	CLEARANCE
13 NCAC 03 .0345	AIR AND VENTILATION REQUIREMENTS
13 NCAC 03 .0346	FIRED JACKETED STEAM KETTLES
13 NCAC 03 .0347	FUEL BURNING APPARATUS AND SYSTEMS (FLAME SAFEGUARD)
13 NCAC 03 .0348	SPECIAL INSPECTION
13 NCAC 03 .0349	SHOP INSPECTION
13 NCAC 03 .0350	EXPANSION OR CUSHION TANKS
13 NCAC 03 .0351	CONDITIONS NOT COVERED

History Note: Authority G.S. 95-69.11; 95-69.11(k); 95-69.14;
Eff. February 1, 1976;
Readopted Eff. September 30, 1977;
Amended Eff. February 15, 1980;
Repealed Eff. May 29, 1981.

13 NCAC 03 .0352 NORTH CAROLINA SPECIAL: TEMPORARY

History Note: Authority G.S. 95-69.14;
Eff. July 10, 1978;
Repealed Eff. May 29, 1981.

**SECTION .0400 - EXISTING INSTALLATIONS: POWER BOILERS: HIGH-PRESSURE BOILERS:
HIGH-TEMPERATURE WATER BOILERS AND UNFIRED STEAM BOILERS**

13 NCAC 03 .0401	AGE LIMIT OF EXISTING BOILERS
13 NCAC 03 .0402	MAXIMUM ALLOWABLE WORKING PRESSURE: STANDARD BOILERS
13 NCAC 03 .0403	MAXIMUM ALLOWABLE WORKING PRESSURE: NONSTANDARD BOILERS
13 NCAC 03 .0404	CAST-IRON HEADERS AND MUD DRUMS
13 NCAC 03 .0405	PRESSURE ON CAST-IRON BOILERS
13 NCAC 03 .0406	SAFETY VALVES
13 NCAC 03 .0407	BOILER FEEDING
13 NCAC 03 .0408	WATER LEVEL INDICATORS
13 NCAC 03 .0409	STEAM GAUGES
13 NCAC 03 .0410	TEMPERATURE INDICATOR
13 NCAC 03 .0411	STOP VALVES
13 NCAC 03 .0412	BLOWOFF CONNECTIONS
13 NCAC 03 .0413	REPAIR AND RENEWAL OF FITTINGS AND APPLIANCES
13 NCAC 03 .0414	RECOMMENDATIONS FOR OPERATION
13 NCAC 03 .0415	SEPARATELY FIRED SUPERHEATERS: ECONOMIZERS: ETC
13 NCAC 03 .0416	STEAM JENNYS
13 NCAC 03 .0417	CONDITIONS NOT COVERED

History Note: Authority G.S. 95-69.14;
Eff. February 1, 1976;
Readopted Eff. September 30, 1977;
Repealed Eff. May 29, 1981.

SECTION .0500 - EXISTING INSTALLATIONS: HEATING BOILERS

13 NCAC 03 .0501	STANDARD BOILERS
13 NCAC 03 .0502	NONSTANDARD RIVETED BOILERS
13 NCAC 03 .0503	NONSTANDARD WELDED BOILERS
13 NCAC 03 .0504	NONSTANDARD CAST-IRON BOILERS
13 NCAC 03 .0505	SAFETY VALVES
13 NCAC 03 .0506	SAFETY RELIEF VALVE REQUIREMENTS FOR HOT WATER BOILERS
13 NCAC 03 .0507	VALVE REPLACEMENT
13 NCAC 03 .0508	INSTRUMENTS: FITTINGS AND CONTROL REQUIREMENTS
13 NCAC 03 .0509	LOW WATER FUEL CUTOFF
13 NCAC 03 .0510	STEAM GAUGES
13 NCAC 03 .0511	PRESSURE OR ALTITUDE GAUGES
13 NCAC 03 .0512	THERMOMETERS
13 NCAC 03 .0513	WATER GAUGE GLASSES
13 NCAC 03 .0514	STOP VALVES AND CHECK VALVES
13 NCAC 03 .0515	FEEDWATER CONNECTIONS
13 NCAC 03 .0516	RETURN PUMP
13 NCAC 03 .0517	BOTTOM BLOWOFF AND/OR BOTTOM DRAIN
13 NCAC 03 .0518	REPAIR AND RENEWAL OF FITTINGS AND APPLIANCES

History Note: Authority G.S. 95-69.14;
Eff. February 1, 1976;
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Repealed Eff. May 29, 1981.

SECTION .0600 - EXISTING INSTALLATIONS: PRESSURE VESSELS

13 NCAC 03 .0601	MAXIMUM WORKING PRESSURE: STANDARD PRESSURE VESSELS
13 NCAC 03 .0602	MAXIMUM WORKING PRESSURE: NONSTANDARD PRESSURE VESSELS
13 NCAC 03 .0603	INSPECTION OF INACCESSIBLE PARTS
13 NCAC 03 .0604	PRESSURE RELIEF DEVICES
13 NCAC 03 .0605	SAFETY APPLIANCES
13 NCAC 03 .0606	HOT WATER SUPPLY AND/OR STORAGE VESSELS
13 NCAC 03 .0607	VESSELS FOR WATER CONTAINMENT AT AMBIENT TEMPERATURE
13 NCAC 03 .0608	REPAIR AND RENEWAL OF FITTINGS AND APPLIANCES
13 NCAC 03 .0609	CONDITIONS NOT COVERED

History Note: Authority G.S. 95-69.14;
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Repealed Eff. May 29, 1981.

SECTION .0700 - NUCLEAR ENERGY SYSTEMS AND COMPONENTS

13 NCAC 03 .0701	NUCLEAR ENERGY SYSTEMS AND COMPONENTS
13 NCAC 03 .0702	INSPECTION DURING ERECTION
13 NCAC 03 .0703	INSERVICE INSPECTION
13 NCAC 03 .0704	INSPECTION

History Note: Authority G.S. 95-69.14;
Eff. February 1, 1976;
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Repealed Eff. May 29, 1981.

SECTION .0800 - DESCRIPTION OF FORMS

13 NCAC 03 .0801	CERTIFICATE OF INSPECTION
13 NCAC 03 .0802	CERTIFICATE OF COMPETENCY
13 NCAC 03 .0803	NORTH CAROLINA COMMISSION CARD
13 NCAC 03 .0804	OWNER-USER CERTIFICATE OF COMPETENCY
13 NCAC 03 .0805	OWNER-USER APPLICATION

History Note: Authority G.S. 95-69.11; 95-69.14; 95-69.15;
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Repealed Eff. May 29, 1981.