

Florida Boiler Safety Program 2018 Inspector Training

Boiler Safety Program
Bureau of Fire Prevention
State Fire Marshal
Department of Financial Services

Training Course Contact



Boiler Safety Program

Chief Boiler Inspector (Acting),
John.Norman@myfloridaCFO.com;
(850)413-3614

Course Topics

Course Purpose and Intent

Disclaimer

Frequently asked (legal)
questions

Course Topics (continued)



The Boiler Safety Act Chapter 554,
Florida Statutes, 2017



The Boiler Safety Rules

- Chapter 69A-51, Florida Administrative Code



Codes Adopted

- S. 69A-51.050, Codes Adopted



Resources

- Website; Public Portal; Public Outreach

Purpose

This training course has been developed to meet the 2-hour training course described in s. 554.104(4), FS and is intended for:

- Prospective inspectors wishing to take the boiler inspector certification test;
- Boiler inspectors wishing to apply for a Florida certificate of competency to inspect boilers via initial and renewal applications; and
- Any interested party wishing to further their understanding of Florida's Boiler Safety Program are permitted and encourage to complete the course.

Disclaimer

This training course references statutory, laws, rules, codes, and forms which have been adopted for use in the state of Florida through a public forum in accordance with the law. This training course contains references to those legal requirements and is intended to illustrate and reinforce those requirements. It is not intended to and does not create new rules. In all cases, the source law or rule contains the requirements.

Frequently Asked Legal Questions

Why aren't codes automatically adopted?

What do the notations at the bottom of the statute and rule sections mean?

What are Declaratory Statements?

What are Variances?

How do I can I request one?

The Boiler Safety Act

Chapter 554, FS 2017

- This is the enabling law for the Boiler Safety Program.
- Links to it can be found on the our website and the Florida Senate website.
 - <http://www.myfloridacfo.com/division/sfm/bfp/boilersafety/>
 - <https://www.flsenate.gov/Laws/Statutes/2017/Chapter554/All>

The Boiler Safety Act

Chapter 554, FS 2017

There are 15 subsections within the Statute

- 554.1011 Short title; scope.
- 554.1021 Definitions.
- 554.103 Boiler code.
- 554.104 Certification of boiler inspectors required; application; qualifications; renewal.
- 554.105 Chief boiler inspector.
- 554.106 Deputy boiler inspectors.
- 554.107 Special boiler inspectors.
- 554.108 Inspection.
- 554.1081 Boiler inspections by insurance companies and local governmental agencies.
- 554.109 Exemptions.
- 554.1101 Certificate of operation.
- 554.111 Fees.
- 554.114 Prohibitions; penalties.
- 554.115 Disciplinary proceedings.
- 554.1151 Administrative fine in lieu of or in addition to suspension, revocation, or refusal to renew a certificate of operation or competency.

The Boiler Safety Act

Chapter 554, FS 2017

Please note. While there are 15 subsections within the statute, not all sections are described in this training course. Sections that are covered may have only portions described or may be reorganized for presentation purposes. This training does not create new rules or requirements but is intended to provide boiler inspectors working within the jurisdiction knowledge of Florida specific requirements and where to find them.

The Boiler Safety Act

Chapter 554, FS 2017

554.1011 Short title; scope.—This act may be cited as the “Boiler Safety Act.”

History.—s. 1, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (1) “A.S.M.E.” means the American Society of Mechanical Engineers.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (2) “Authorized inspection agency” means:
 - (a) Any county, municipality, town, or other governmental subdivision that has adopted into law the Boiler and Pressure Vessel Code of the A.S.M.E. and the National Board Inspection Code for the construction, installation, inspection, maintenance, and repair of boilers to regulate boilers in public assembly locations, and whose boiler inspectors hold valid certificates of competency in accordance with s. 554.104;

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (2) “Authorized inspection agency” means:
 - (b) An insurer authorized by a subsisting certificate of authority, issued by the Office of Insurance Regulation, to transact boiler and machinery insurance in this state, and whose boiler inspectors hold valid certificates of competency in accordance with s. 554.104; or

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (2) “Authorized inspection agency” means:

(c) An inspecting agency accredited in accordance with the National Board of Boiler and Pressure Vessel Inspector’s program entitled “Accreditation of Authorized Inspection Agencies (AIA) Performing Inservice or Repair/Alteration Inspection Activities,” document number NB-369, and whose boiler inspectors hold valid certificates of competency in accordance with s. 554.104. The department shall by rule require an inspection agency authorized pursuant to this paragraph to maintain financial security adequate to indemnify the owner of the boiler if such agency’s negligence or failure to inspect an uninsured boiler results in a loss. Such inspection agency may inspect uninsured boilers or, at the direction of an insurance company, may inspect a boiler insured by that insurance company.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

(3) “Boiler” means a closed vessel in which water or other liquid is heated, steam or vapor is generated, steam is superheated, or any combination of these functions is accomplished, under pressure or vacuum, for use external to itself, by the direct application of energy from the combustion of fuels or from electricity or solar energy. The term “boiler” includes fired units for heating or vaporizing liquids other than water where these units are separate from processing systems and are complete within themselves. The varieties of boilers are as follows:

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (3)
- (a) “Heating boiler” means a steam or vapor boiler operating at pressures not exceeding 15 psig, or a hot water boiler operating at pressures not exceeding 160 psig or temperatures not exceeding 250 °F.
- (b) “High pressure, high temperature water boiler” means a water boiler operating at pressures exceeding 160 psig or temperatures exceeding 250 °F.
- (c) “Hot water supply boiler” means a boiler or a lined storage water heater supplying heated water for use external to itself operating at a pressure not exceeding 160 psig or temperature not exceeding 250 °F.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (3)
- (d) “Inservice boiler” means a boiler placed in use after test firing and required inspections have been satisfactorily completed.
- (e) “Operating boiler” means a boiler connected and ready for use.
- (f) “Power boiler” means a boiler in which steam or other vapor is generated at a pressure of more than 15 psig.
- (g) “Secondhand boiler” means a boiler that has changed ownership and location subsequent to its original installation and use.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (3)
- (h) “Secured boiler” means a boiler that has been:
 - 1. Physically disconnected from the system, including disconnection from fuel, water, steam, electricity, and stack;
or
 - 2. Locked out and tagged out in accordance with the Occupational Safety and Health Administration’s standard relating to the control of hazardous energy and lockout or tagout in 29 C.F.R. s. 1910.147, as adopted by rule of the department.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (4) “Boiler insurance company” means a company authorized by a subsisting certificate of authority, issued by the Office of Insurance Regulation, to transact boiler and machinery insurance in this state.
- (5) “Certificate inspection” means an inspection whose report is used by the chief boiler inspector to determine whether or not a certificate of operation may be issued.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

- (6) “Certificate of competency” means a document issued to a person who has satisfied the minimum competency requirements for boiler inspectors under this chapter.
- (7) “Certificate of operation” means a document issued to the owner of a boiler which authorizes the owner to operate the boiler, subject to any restrictions endorsed thereon.

The Boiler Safety Act

Chapter 554, FS 2017

554.1021 Definitions.—As used in this chapter, the term:

(8) “Department” means the Department of Financial Services.

(9) “Public assembly locations” includes schools, day care centers, community centers, churches, theaters, hospitals, nursing and convalescent homes, stadiums, amusement parks, and other locations open to the general public.

History.—s. 2, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429; s. 668, ch. 2003-261; s. 3, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.103 Boiler code.—

The department shall adopt by rule a State Boiler Code for the safe construction, installation, inspection, maintenance, and repair of boilers in this state. The rules adopted shall be based upon and shall at all times follow generally accepted nationwide engineering standards, formulas, and practices pertaining to boiler construction and safety.

The Boiler Safety Act

Chapter 554, FS 2017

554.103 Boiler code.—

(1) The department shall adopt an existing code for new construction and installation known as the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers, including all amendments and interpretations to the A.S.M.E. Boiler and Pressure Vessel Code approved by the A.S.M.E. Council on Codes and Standards subsequent to the adoption of the State Boiler Code, and when so adopted by the department, such amendments and interpretations become a part of the State Boiler Code.

The Boiler Safety Act

Chapter 554, FS 2017

554.103 Boiler code.—

(2) The installer of any boiler placed in use in this state after January 1, 2018, must, before installing the boiler, apply on a form adopted by rule of the department for a permit to install the boiler from the chief boiler inspector. The application must include the boiler's A.S.M.E. manufacturer's data report and other documents required by the State Boiler Code before the boiler is placed in service. The installer must contact the chief boiler inspector to schedule an inspection for each boiler no later than 7 days before the boiler is placed in service.

The Boiler Safety Act

Chapter 554, FS 2017

554.103 Boiler code.—

(3) The maximum allowable working pressure of a boiler carrying the A.S.M.E. code symbol must be determined by the applicable sections of the code under which it was constructed and stamped. Subject to the concurrence of the chief boiler inspector, such boiler may be rerated in accordance with the standards of the State Boiler Code.

(4) The maximum allowable working pressure of a boiler that does not carry the A.S.M.E. code symbol must be computed in accordance with the standards of the State Boiler Code.

The Boiler Safety Act

Chapter 554, FS 2017

554.103 Boiler code.—

(5) This chapter may not be construed to in any way prevent the use, sale, or reinstallation of a boiler if such boiler has been made to conform to the applicable provisions of the State Boiler Code governing existing installations and if, upon inspection, the boiler has been found to be in a safe condition.

(6) The department, at its discretion, may authorize the construction, installation, and operation of boilers of special design or construction which do not meet the specific requirements of the State Boiler Code, but which are consistent with the intent of the safety objectives of the code.

The Boiler Safety Act

Chapter 554, FS 2017

554.103 Boiler code.—

(7) The department may adopt rules pursuant to ss. 120.536(1) and 120.54 to administer this chapter. Such rules may include specifying the procedures and forms to be used to obtain an installation permit, an initial certificate, or a renewal certificate, and the submission of reports and notices required under this chapter.

History.—s. 3, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429; s. 4, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(1) The inspection requirements of this chapter apply only to boilers located in public assembly locations. A potable hot water supply boiler with a heat input of 200,000 British thermal units (Btu) per hour and above, up to a heat input not exceeding 400,000 Btu per hour, is exempt from inspection, but must be stamped with the A.S.M.E. code symbol “HLW” and the boiler’s A.S.M.E data report must be filed as required under s. 554.103(2).

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(2) Each inspection of a boiler conducted pursuant to this chapter must be made by the chief boiler inspector, a deputy boiler inspector, or a special boiler inspector.

An owner, or the owner's designee, shall perform all operation, testing, manipulation of boiler controls and safety devices, removal of lagging, and disassembly of boiler components to allow the chief boiler inspector, deputy boiler inspector, or special boiler inspector to conduct inspections as required by this section.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(3) The construction, installation, and condition of each boiler used in a public assembly location shall be inspected as follows:

(a) Power boilers and high pressure, high temperature water boilers shall receive a certificate inspection annually. Such inspection shall include, but not be limited to, an external inspection while the boiler is under pressure and an internal inspection if the construction of the boiler so permits.

(b) Low pressure steam or vapor heating boilers shall receive a certificate inspection biennially. Such inspection shall include, but not be limited to, an internal inspection if the construction of the boiler so permits.

(c) Hot water heating boilers and hot water supply boilers shall receive a certificate inspection biennially. Such boilers shall receive an internal inspection every 4 years if the construction of the boiler so permits.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(4) Each boiler subject to inspection must be inspected within 30 days after expiration of the boiler's certificate of operation. However, an inspection report must be received by the chief boiler inspector no later than 30 days after the projected expiration date of the certificate of operation.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(4) continued –

If, upon inspection, the chief boiler inspector, deputy boiler inspector, or special boiler inspector finds that a boiler is in violation of any provision of the State Boiler Code, the inspector must promptly notify the owner or user and state what repairs or other corrective measures are needed. Deputy boiler inspectors and special boiler inspectors shall file a written report, on a form adopted by rule of the department, on each certificate inspection with the chief boiler inspector within 15 days after the inspection. A certificate inspection report must list all violations of the State Boiler Code and any conditions that may adversely affect the operation of the boiler.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(4) continued –

The filing of reports of inspections, other than statutorily required inspections, is not required unless such inspections disclose that a boiler is in an unsafe condition or unless the boiler has failed and requires major repair or replacement. The inspection report must list the extent of damage to the boiler, as well as the cause of the failure, if known, and any other pertinent information.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(4) continued –

However, an inspection report must be filed for any inspection performed on a boiler with a previously identified code violation. The report must indicate whether the violation has been corrected. The agency responsible for conducting the inspection must perform followup inspections, not more than every 6 months, of a previously identified code violation until it is corrected.

The Boiler Safety Act

Chapter 554, FS 2017

554.108 Inspection.—

(5) Upon a determination by the chief boiler inspector that a boiler cannot be safely operated, the boiler must immediately be shut down. The chief boiler inspector or a deputy boiler inspector shall attach a tag to the boiler indicating that the boiler has been shut down due to an unsafe condition. The boiler must remain shut down until a reinspection by the chief boiler inspector or a deputy boiler inspector determines that the boiler may be operated safely. A boiler that may not be safely operated, as determined by the chief boiler inspector, is deemed to constitute an imminent danger to the public health, safety, and welfare.

(6) The department may adopt rules necessary to administer this section.

History.—s. 8, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429; s. 9, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.1081 Boiler inspections by insurance companies and local governmental agencies.—

(1) An insurance company insuring a boiler located in a public assembly location in this state shall inspect, or shall contract with an authorized inspection agency to inspect, the insured boiler. A boiler insurance company shall annually report to the department the name of any authorized inspection agency performing any required boiler inspections on its behalf and shall actively monitor insured boilers to ensure that inspections are conducted as required by this chapter.

History.—s. 10, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.109 Exemptions.—

This chapter does not apply to potable hot water supply boilers or lined storage water heaters that are directly fired with oil, gas, electricity, or solar energy, provided that none of the following limitations is exceeded:

- (1) Heat input of 400,000 Btu per hour.
- (2) Water temperature of 210 degrees Fahrenheit.
- (3) Nominal water-containing capacity of 120 gallons.

History.—s. 9, ch. 87-361; s. 1, ch. 88-303; s. 10, ch. 89-233; s. 4, ch. 91-429; s. 11, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.1101 Certificate of operation.—

- (1) If an inspection report filed pursuant to s. 554.108 shows a boiler to be in compliance with all applicable provisions of the State Boiler Code, the chief boiler inspector must, upon receipt of the inspection fee, issue a certificate of operation to the owner. Such certificate must bear the date of the inspection and specify the maximum pressure at which the boiler may be operated.
- (2) The certificate for a power boiler or a high pressure, high temperature water boiler is valid for a period of 12 months from the date of the certificate inspection. The certificate for a heating boiler or a hot water supply boiler is valid for a period of 24 months from the date of the certificate inspection. The certificate must be posted under glass, or be similarly protected, in the room containing the boiler.

The Boiler Safety Act

Chapter 554, FS 2017

554.1101 Certificate of operation.—

(3) A boiler insurance company shall notify the chief boiler inspector within 30 days after the issuance of a new or renewal boiler and machinery insurance policy, or the cancellation or nonrenewal of a boiler and machinery insurance policy, covering places of public assembly in this state.

(4) If the chief boiler inspector has knowledge that a boiler regulated under this chapter was covered by a boiler and machinery insurance policy after its most recent certification inspection, the certificateholder must, upon the request of the chief boiler inspector, submit its certificate of boiler and machinery insurance for the boiler if the department has not received the special boiler inspector's annual inspection report within 30 days after its due date.

History.—s. 10, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429; s. 12, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.114 Prohibitions; penalties.—

- (1) A person may not:
 - (a) Operate a boiler at a public assembly location without a valid certificate of operation for that boiler;
 - (b) Use a certificate of operation for any boiler other than for the boiler for which it was issued;
 - (c) Operate a boiler for which the certificate of operation has been suspended, revoked, or not renewed; or
 - (d) Inspect any boiler regulated under this chapter without having a valid certificate of competency.

The Boiler Safety Act

Chapter 554, FS 2017

554.114 Prohibitions; penalties.—

(2) A boiler insurance company that fails to inspect or to have inspected, in accordance with this chapter, any boiler insured by the company and regulated under this chapter is subject to the penalties provided in subsection (4), unless the failure to inspect was the result of an owner's or operator's failure to provide reasonable access to the boiler.

(3) An authorized inspection agency that is under contract with a boiler insurance company and that fails to inspect, in accordance with this chapter, any boiler insured by the company and regulated under this chapter is subject to the penalties provided in subsection (4), unless the failure to inspect was the result of an owner's or operator's failure to provide reasonable access to the boiler.

(4) A boiler insurance company, authorized inspection agency, or other person in violation of this section for more than 30 days shall pay a fine of \$10 per day for the first 10 days of noncompliance, \$50 per day for the subsequent 20 days of noncompliance, and \$100 per day for each subsequent day over 20 days of noncompliance.

History.—s. 14, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429; s. 15, ch. 2017-175.

The Boiler Safety Act

Chapter 554, FS 2017

554.115 Disciplinary proceedings.—

- (1) The department may deny, refuse to renew, suspend, or revoke a certificate of operation upon proof that:
 - (a) The certificate has been obtained by fraud or misrepresentation;
 - (b) The boiler for which the certificate was issued cannot be operated safely;
 - (c) The person who received the certificate willfully or deliberately violated the State Boiler Code, this chapter, or any other rule adopted pursuant to this chapter; or

The Boiler Safety Act

Chapter 554, FS 2017

554.115 Disciplinary proceedings.—

(d) The owner of a boiler:

1. Operated a boiler at a public assembly location without a valid certificate of operation for that boiler;
2. Used a certificate of operation for a boiler other than the boiler for which the certificate of operation was issued;
3. Gave false or forged information to the department, to an authorized inspection agency, or to another boiler inspector for the purpose of obtaining a certificate of operation;
4. Operated a boiler after the certificate of operation for the boiler expired, was not renewed, or was suspended or revoked;
5. Operated a boiler that is in an unsafe condition; or
6. Operated a boiler in a manner that is contrary to the requirements of this chapter or any rule adopted under this chapter.

The Boiler Safety Act

Chapter 554, FS 2017

554.115 Disciplinary proceedings.—

(2) The department may deny, refuse to renew, suspend, or revoke a certificate of competency upon proof that:

(a) The certificate was obtained by fraud or misrepresentation;

(b) The inspector to whom the certificate was issued is no longer qualified under this chapter to inspect boilers; or

(c) The boiler inspector:

1. Gave false or forged information to the department, to an authorized inspection agency, or to another boiler inspector for the purpose of obtaining a certificate of operation; or

2. Inspected any boiler regulated under this chapter without having obtained a valid certificate of competency.

The Boiler Safety Act

Chapter 554, FS 2017

554.115 Disciplinary proceedings.—

(3) Each suspension of a certificate of operation or certificate of competency shall continue in effect until all violations have been corrected and, for boiler safety violations, until the boiler has been inspected by an authorized inspector and shown to be in a safe working condition.

(4) A revocation of a certificate of competency is permanent, and a revoked certificate of competency may not be reinstated or a new certificate of competency issued to the same person. A suspension of a certificate of competency continues in effect until all violations have been corrected.

History.—s. 15, ch. 87-361; s. 1, ch. 88-303; s. 4, ch. 91-429; s. 2, ch. 2000-370; s. 16, ch. 2017-175.

¹Note.—The word “to” was inserted by the editors to provide clarity.

The Boiler Safety Act

Chapter 554, FS 2017

554.1151 Administrative fine in lieu of or in addition to suspension, revocation, or refusal to renew a certificate of operation or competency.—

(1) If the department finds that one or more grounds exist for the suspension, revocation, or refusal to renew any certificate of operation or certificate of competency issued under this chapter, the department may, in its discretion, in lieu of or in addition to suspension or revocation or in lieu of refusal to renew, impose upon the certificateholder an administrative penalty in an amount up to \$500, or, if the department has found willful misconduct or willful violation on the part of the certificateholder, in an amount up to \$3,500.

The Boiler Safety Act

Chapter 554, FS 2017

554.1151 Administrative fine in lieu of or in addition to suspension, revocation, or refusal to renew a certificate of operation or competency.—

(2) The department may allow the certificateholder a reasonable period, no more than 30 days, within which to pay to the department the amount of the penalty so imposed. If the certificateholder fails to pay the penalty in its entirety to the department within the period so allowed, the certificate of that person must be suspended until the penalty is paid. If the certificateholder fails to pay the penalty in its entirety to the department within 90 days after the period so allowed, the certificate of that person must be revoked.

History.—s. 17, ch. 2017-175.

The Boiler Safety Program's Public Portal

<https://www.myfloridacfo.com/Division/SFM/BFP/BoilerSafety/default.htm>

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

Organization:

The rules are organized into the following Parts

PART I

GENERAL PROVISIONS

- 69A-51.001 Scope
- 69A-51.005 Definitions
- 69A-51.010 Codes Adopted
- 69A-51.015 Administration
- 69A-51.017 Other Provisions

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

Organization:

The rules are organized into the following Parts

PART II CERTIFICATES OF COMPETENCY AND CERTIFICATES OF OPERATION

- 69A-51.020 Certificates of Competency
- 69A-51.025 Certificate of ~~Compliance~~ Operation
- 69A-51.035 Examinations

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

- 69A-51.045 Scope
- 69A-51.050 Inspection Requirements

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

Organization:

The rules are organized into the following Parts

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

- 69A-51.060 Requirements for New Installations
- 69A-51.065 Requirements for Existing Installations
- 69A-51.075 Repairs
- 69A-51.080 Condemned Boilers
- 69A-51.085 Accidents

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

- **PART I GENERAL PROVISIONS**
- 69A-51.010 Codes Adopted.
- The Department of Financial Services hereby adopts and incorporates by reference the following national codes as the State Boiler Code for the safe construction, installation, inspection, maintenance and repair of boilers.
- (1) The A.S.M.E. Boiler and Pressure Vessel Code, Sections I; II, Parts A, B, C and D; IV; V; VI; VII; VIII Div1 Appendix19; IX; 2017 editions; and the ANSI/ASME CSD-1, 2015 edition and all amendments, addenda and interpretations thereto. Copies may be obtained from the American Society of Mechanical Engineers International, 150 Clove Road, Little Falls, New Jersey 07424 or WWW.ASME.Org Phone: 1(800)THE-ASME. The Code may be consulted at the offices of the Boiler Safety Program, Bureau of Fire Prevention, Division of State Fire Marshal, Department of Financial Services, 325 John Knox Road, Third Floor, Atrium Building, Tallahassee, Florida 32303, Phone: (850) 413-3614/3723; during regular business hours, Monday through Friday.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

- **PART I GENERAL PROVISIONS**

- 69A-51.010 Codes Adopted.
 - (2) The National Board Inspection Code (NBIC) – 2017 edition and all amendments, addenda, and interpretations thereto. Copies may be obtained from the National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Avenue, Columbus, Ohio 43229; Phone: (614)888-8320. The Code may be consulted at the offices of the Boiler Safety Program, Bureau of Fire Prevention, Division of State Fire Marshal, Department of Financial Services, 325 John Knox Road, Third Floor, Atrium Building, Tallahassee, Florida 32303, Phone: (850)413-3614/3723, during regular business hours, Monday through Friday.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

- **PART I GENERAL PROVISIONS**

- 69A-51.010 Codes Adopted.

- (3) ASME B31.1, “Power Piping,” – 2016 edition and all amendments, addenda, and interpretations thereto. Copies may be obtained from the American Society of Mechanical Engineers International 150 Clove Road, Little Falls, New Jersey 07424 or WWW.ASME.Org, Phone: 1(800)THE-ASME

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART II CERTIFICATES OF COMPETENCY AND CERTIFICATES OF OPERATION

69A-51.025 Certificate of Operation:

- (1) Certificates of Operation shall be issued only to boilers located in places of public assembly in this State.
- (2) If, upon making the internal and/or external inspection, the inspector finds the boiler to be in safe working order, provided with the appurtenances necessary to safety, and properly set up, the Chief Boiler Inspector, upon receipt of an inspection report from the inspector and of the fee established in Section 554.111, F.S., shall issue to the owner or user thereof a Certificate of Operation and, upon receipt of the Certificate, such owner or user may operate the boiler described in the Certificate until the date of expiration unless such certificate shall be sooner withdrawn or revoked.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART II CERTIFICATES OF COMPETENCY AND CERTIFICATES OF OPERATION

69A-51.025 Certificate of Operation:

- (3) The Certificate of Operation issued by the Department shall state the name of the owner or user; the location; the Florida State serial number; date of inspection; date of expiration of the certificate; the maximum pressure at which the boiler may operate; name of person who made the inspection; signature of the Chief Financial Officer; manufacturer; type of boiler; National Board number; and Authorized Inspection Agency doing the inspection.
- (4) The Certificate of Operation shall be conspicuously placed so it can be readily identified with the certificated boiler, preferably in the boiler room. The Certificate of Operation for a portable boiler shall be kept on the premises and shall be accessible at all times.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART II CERTIFICATES OF COMPETENCY AND CERTIFICATES OF OPERATION

69A-51.025 Certificate of Operation:

- (5) If an inspector at any inspection finds that the boiler is not in safe working condition, or is not provided with the appurtenances necessary to safety, or if the appurtenances are improperly arranged, he shall immediately notify the owner or user and person in charge of the boiler to shut down the boiler and shall report the same to the Chief Boiler Inspector who shall place or cause to be placed on the boiler an official Boiler Shut Down Tag to prevent further use of said boiler, and such shall remain in place until said boiler is restored to a condition to insure safety of operation. All such actions shall be in compliance with Chapter 120, F.S. The owner and/or user shall not operate the boiler or permit it to operate until a Certificate of Operation has been issued or restored. Official State Boiler Shut Down Tags Seals may be attached or removed by Deputy Boiler Inspectors only after permission has been obtained from the Chief Boiler Inspector of the Boiler Safety Program.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART II CERTIFICATES OF COMPETENCY AND CERTIFICATES OF OPERATION

69A-51.025 Certificate of Operation:

- (6) The Certificate of Operation for a power boiler or a high pressure, high temperature water boiler is valid for a period of 12 months from the date of the certificate inspection.
- (7) The Certificate of Operation for a heating boiler or a hot water supply boiler or water heater is valid for a period of 24 months from the date of the certificate inspection.
- (8) The Certificate of Operation shall be posted under glass, or be similarly protected.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

- (1) Access for Inspection. The Authorized Inspector shall have full access during mutually agreeable hours, to any place of public assembly in the State of Florida where a boiler is being constructed, installed or operated for the purpose of ascertaining whether such boiler is being constructed, installed, or operated in accordance with the requirements of this rule chapter. Immediate access shall be provided in the event of an accident.
- (2) Inspection Requirements. Each boiler used or proposed to be used in a place of public assembly within this state except boilers exempt under subsection 69A-51.045(6), F.A.C., shall be thoroughly inspected as to its construction, installation and condition as follows:

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

- (2)(a) Power boilers and high pressure, high temperature water boilers shall receive a certificate inspection annually. They shall be inspected annually both internally, where construction permits, and externally while not under pressure. They shall also be inspected annually externally while under pressure, if possible, within six (6) months of the internal inspection.
- (b) Heating boilers shall receive a certificate inspection biennially. This inspection may be an external inspection unless an internal inspection is required by the Authorized Inspector. The Authorized Inspector, due to operating conditions, may require additional inspections.
- (d) Hot water boilers and hot water supply boilers shall receive a certificate inspection biennially with an internal inspection every four (4) years if the construction of the boiler so permits.
- (e) Heating boilers and hot water supply boilers constructed of cast iron shall receive a certificate inspection biennially.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

- (3) The Boiler Safety Program is responsible for providing for the safety of life, limb and property and therefore has jurisdiction over the interpretation and application of the inspection requirements as provided herein. Inspection during construction and installation shall certify as to the minimum requirements for safety as defined in the A.S.M.E. Boiler and Pressure Vessel Code or other construction standard acceptable to the Boiler Safety Program. Inspection frequency shall be in accordance with generally accepted practice and compatible with actual service conditions such as:
 - (a) Previous experience, based on records of inspection, performance and maintenance.
 - (b) Location with respect to personal hazard.
 - (c) Quality of inspection and operating personnel.
 - (d) Provisions for related safe operation control.
 - (e) Interrelation with other operations outside the scope of this rule chapter.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

- (4) Based upon documentation regarding actual service conditions, the Boiler Safety Program may, in its discretion, permit variations in the inspection requirements.

- (5) The inspections herein required, including shop inspections, shall be made by the Authorized Inspector.

- (6) If, at the discretion of the Authorized Inspector, a hydrostatic test shall be deemed necessary, the test shall be performed and the expense shall be borne by the owner or user of the boiler and the test shall be witnessed by the Authorized Inspector.

- (7) All boilers installed in a place of public assembly in this state shall be inspected prior to use by an Authorized Inspector holding a valid certificate of competency issued by the State of Florida.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

- (8) Inspection Reports. Each Authorized Inspection Agency employing certified Special Boiler Inspectors and each certified Deputy Boiler Inspector shall file a report of the inspection with the Chief Boiler Inspector of the Boiler Safety Program using the following forms, which are hereby adopted and incorporated by reference: Form DI4-380, 10/01/00, “Boiler or Pressure Vessel Data Report – First Internal Inspection,” and Form DI4-379, 10/01/00, “Boiler – Fired Pressure Vessel – Report of Inspection.” Authorized Inspection Agencies may reproduce these forms for their own use. The form may be obtained online at <http://www.myfloridacfo.com/division/sfm/bfp/boilersafety/> or from the Boiler Safety Program, Department of Financial Services, 325 John Knox Road, Tallahassee, Florida 32303, (850)413-3627

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

- (9) If, upon inspection, the Authorized Inspector finds that a boiler is unsafe for further operation and poses an imminent danger to the public health, safety and welfare, he may immediately order the boiler to be shut down. He shall promptly notify the owner or user stating what repairs or other corrective measures are needed. The boiler shall remain shut down until a reinspection by an Authorized Inspector determines that all violations have been corrected, that the boiler is safe to operate, and that a Certificate of Operation Compliance may be issued. Any such action shall be in compliance with Chapter 120, F.S.
- (10) If an insured boiler with a Certificate of Operation ceases to be insured, that Certificate shall be valid until the indicated expiration date.
- (11) All Authorized Inspection Agencies shall notify the Chief Boiler Inspector of the Boiler Safety Program within thirty (30) days of all boiler installation risks written, cancelled, or not renewed in places of public assembly in this state.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

(12) Inspection Exemptions.

(a) Any Authorized Inspection Agency licensed to sell boiler and pressure vessel insurance in this state and insuring a boiler in a place of public assembly located in the state shall inspect such boiler so insured.

(b) Such inspection shall be performed by a Special Boiler Inspector holding a Certificate of Competency from this state.

(c) Upon filing of a report of satisfactory inspection with the Department, such boiler is exempt from inspection by the Department.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

(13) Inspection Numbers.

(a) Upon completion of installation and/or at the time of the first inspection, all boilers shall have attached, by the inspector making the inspection, a metal non-corrosive tag which bears the Florida State serial number. The tags are to be attached in a conspicuous place where they cannot be easily removed, such as around the connecting water column pipes, steam gauge pigtail or siphon or around the piping connecting the boiler and its safety or relief valve.

b) A block of Florida State serial numbers will be furnished, upon application, by the Chief Boiler Inspector to Authorized Inspection Agencies for use by Special Boiler Inspectors. The furnishing and installing of non-corrosive tags is the responsibility of the Authorized Inspection Agency. The approximate size of the non-corrosive tag shall be one inch by three inches (1" x 3").

(c) Boilers which are brought into the state for temporary use shall be assigned Florida State serial numbers.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

(13) Inspection Numbers.

(d) It shall be the duty of every inspector, at the time of the certificate inspection, to determine if the boiler has attached the required metal non-corrosive tag bearing the Florida State serial number.

(e) Florida State serial numbers 0001 through 49,999 shall be referred to as high pressure numbers and used for power boilers and high pressure high temperature water boilers. Florida State serial numbers 50,000 and above shall be referred to as low pressure numbers and used for low pressure steam, hot water heaters and hot water supply boilers.

(f) Stamping of Florida State serial numbers on non-corrosive tags shall be as follows:
FL000000

Florida State serial numbers shall be stamped with numbers and letters not less than 5/16" inch in height.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART III INSPECTIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.050 Inspection Requirements.

(14) Types of Authorized Inspection Agencies.

(a) Boiler Safety Program, Bureau Fire Prevention, Department of Financial Services, State of Florida.

(b) 554.1021 (2)

(15) Registration Requirements. Any company which maintains a regularly established inspection department and employs qualified supervisors and Authorized Inspectors shall apply on its letterhead stating the inspection categories (either boilers or pressure vessels or both) for which registration is requested. The company's application letter shall include sufficient information on which a decision may be based including the make up of its supervisory staff and their qualifications to supervise the company's Authorized Inspectors.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

The provisions of this part shall apply to new installations of power boilers, high pressure high temperature hot water boilers, low pressure heating and hot water supply boilers located in places of public assembly.

The installer of any boiler placed in use in this state after January 1, 2018, must, before installing the boiler, apply on a form for a permit to install the boiler from the chief boiler inspector. The form may be obtained online at <http://www.myfloridacfo.com/division/sfm/bfp/boilersafety/> or from the Boiler Safety Program, Department of Financial Services, 325 John Knox Road, Tallahassee, Florida 32303, (850)413-3627 The application must include the boiler's A.S.M.E. manufacturer's data report and other documents required by the State Boiler Code before the boiler is placed in service. The installer must contact the chief boiler inspector to schedule an inspection for each boiler no later than 7 days before the boiler is placed in service.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(1) Requirements for new installations:

(a) No boiler except those exempt by the provisions of Part III of these rules shall be installed in this state unless it has been constructed, inspected, stamped, and installed in conformity with the A.S.M.E. Boiler and Pressure Vessel Code as adopted herein, and registered with the National Board of Boiler and Pressure Vessel Inspectors and registered directly with the Boiler Safety Program by the Authorized Inspection Agency.

(b) A boiler constructed equivalent to the required standards or having a standard stamping of another state that has adopted a standard of construction equivalent to the standards of the State of Florida may be accepted by the Department, provided, however, that the person desiring to install the boiler shall request permission from the Chief Boiler Inspector prior to installation and shall supply the Chief Boiler Inspector with the Manufacture's Data Report covering the construction of the boiler and with any other information reasonably calculated to permit the Chief Boiler Inspector to make an informed decision.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(1) (c) A boiler shall include or accommodate any equipment that is necessary to allow for the close, physical inspection of manways, pressure relieving devices, and boiler appurtenances. Such equipment may either be permanently installed or be of a design intended for temporary use. Temporary equipment shall be positioned by the boiler owner or user at the time of the inspections required under Section 554.108, F.S.

(2) Electrically heated boilers.

(a) All electrically heated boilers shall bear the applicable A.S.M.E. Code Stamp and the Underwriters Laboratory label. The boilers shall be supplied by the manufacturer as a complete unit and shall not be converted in the field.

(b) Electrically heated boilers shall be permanently grounded in accordance with NFPA 70, the National Electrical Code, as adopted in Rule 69A-3.012, F.A.C.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(2) Electrically Heated Boilers

(c) A suitable screen or guard shall be provided around high tension bushings and a sign posted warning of high voltage. This screen or guard shall be so located that it will be impossible for anyone working around the boiler to accidentally come in contact with the high tension circuits.

(3) Power boilers.

(a) Exit from the boiler rooms. All boiler rooms exceeding five hundred (500) square feet of floor area and containing one or more boilers having a fuel-burning capacity of 1,000,000 BTU's shall have at least two (2) means of exit. Each exit shall have at least two (2) means of egress, each remotely located from the other.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(b) Inspection space. All boilers shall be located so that adequate space shall be provided for the proper operation of the boiler and its appurtenances; for the inspection of all surfaces, drums, tubes, waterwalls, economizers, piping, valves, and other equipment; and for necessary maintenance and repair.

(c) Explosion doors. Explosion doors, if used and if located in the setting walls within seven (7) feet of the firing floor or operating platform, shall be provided with substantial deflectors to divert the blast.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(d) Blow-off tanks.

1. Blow-off piping from a power boiler shall not discharge directly into a sewer. A blow-off tank shall be used where conditions do not provide adequate and safe open discharge.

2. Blow-off tanks installed after the effective date of this rule, if of metal, shall have a plate thickness of not less than 5/16" and shall be designed for a minimum working pressure of 50 psig. Blow-off tanks shall be built, stamped, and installed in accordance with the requirements of the National Board Inspection Code and the A.S.M.E. Boiler and Pressure Vessel Code, as adopted herein.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(e) The stamping of the boiler and safety valves shall not be concealed by lagging or paint and shall be exposed at all times unless a suitable record is kept of the location of the boiler stamping so it may be readily uncovered at any time.

(f) The discharge of safety valves shall vent to the atmosphere and the outlets shall be located so as to prevent injury to personnel. Blow-off pipes and other outlets shall also be located so as to prevent injury to personnel.

(g) Safety valves.

1. Each boiler shall have at least one A.S.M.E. certified safety valve, and if it has more than 500 sq. ft. of bare tube water heating surface, or an electric power input of more than 1100 KW, it shall have two or more safety valves of the same type.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(g) Safety valves.

2. The valve or valves shall be connected to the boiler, independent of any other steam connectors and attached as close as possible to the boiler without any intervening valves.

3. The safety valve capacity of each boiler shall be such that the safety valve or valves will discharge all of the steam that can be generated by the boiler without allowing the pressure to rise more than six (6) percent above the highest pressure to which the valve is set and in no case to more than six (6) percent above the maximum allowable working pressure.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(g) Safety valves.

4. The safety valve or safety relief valve capacity shall be in compliance with section I, Part PG, PG-70, "Capacity," of the A.S.M.E. Boiler and Pressure Vessel Code, as adopted herein, but shall not be less than the maximum designed steaming capacity as determined by the manufacturer.

5. No boiler shall be operated without an A.S.M.E. Certified Safety Valve installed, nor have the safety valves act at a pressure in excess of the safe working pressure stated on the Certificate of Compliance.

6. Repairs to safety and safety relief valves shall be conducted only by the manufacturer or by holders of the National Board "VR" Certificate of Authorization.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(g) Safety valves.

7. The use of weighted-lever safety valves or safety valves having either the seat or disk of cast iron are prohibited; valves of this type of construction shall be replaced by direct, spring-loaded, pop-type valves that conform to the requirements of the A.S.M.E. Code, Section I, as adopted herein.

(h) Boiler feeding.

1. Each boiler shall have a feed supply which will permit it to be fed at anytime while under pressure.

2. Boiler feed to all boilers shall conform to the requirements of the A.S.M.E. Boiler and Pressure Vessel Code and to the National Board Inspection Code, as adopted herein.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(i) Water level indicators.

1. Each boiler, except forced flow steam generators with no fixed steam and waterline, and except high temperature water boilers of the forced circulation type that have no steam and waterline, shall have at least one water gauge glass.

2. Water level indicators shall conform to the requirements of the A.S.M.E. Boiler and Pressure Vessel Code and to the National Board Inspection Code, as adopted herein.

(j) Pressure gages. Boiler pressure gages shall conform to the requirements of the A.S.M.E. Boiler and Pressure Vessel Code and to the National Board Inspection Code, adopted herein.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(k) Pressure reducing valves.

1. Where pressure reducing valves are used, one or more safety relief valves shall be provided on the low pressure side of the reducing valve when the piping or equipment on the low pressure side does not meet the requirements for the full initial pressure. The safety or safety relief valves shall be located adjoining or as close as possible to the reducing valve. Proper protection shall be provided to prevent injury or damage caused by escaping fluid from the discharge of the safety relief valves if vented to the atmosphere. The combined discharge capacity of the safety or safety relief valves shall be such that the pressure rating shall not be exceeded in case the reducing valve fails in the open position.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(k) Pressure Reducing Valves

2. The use of hand controlled bypasses around the reducing valves is permissible. If a bypass is used around a reducing valve, the safety valve required on the low pressure side shall be of sufficient capacity to relieve all the fluid that can pass through the bypass without overpressuring the low pressure side.

3. A pressure gauge shall be installed on the low pressure side of the reducing valve.

(l) Supports. Each boiler shall be supported by masonry or structural supports of sufficient strength and rigidity to safely support the boiler and its contents. There shall be no excessive vibration in either the boiler or its connecting piping.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.060 Requirements for New Installations.

(3) Power Boilers

(m) Air and ventilation requirements – Combustion air supply and ventilation of boiler room.

1. A permanent source of outside air shall be provided for each boiler room to permit satisfactory combustion of the fuel as well as proper ventilation of the boiler room under normal operating conditions. New boiler installations should comply with NBIC Part 1, section 2.4, boiler room requirements.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.075 Repairs.

- (1) Repairs to all boilers and appurtenances thereof that come under these rules shall conform to the National Board Inspection Code and this rule chapter. Where a repair affecting the safety of the boiler is necessary, the owner and/or user shall call an Authorized Inspector for consultation and advice as to the best method of making the repair, and the completed work shall be subject to his approval.
- (2) No company shall undertake a repair to a boiler unless the contemplated repairs have first been approved by an Authorized Inspector.
- (3) Should a repair outside the scope of these rules be deemed feasible by an Authorized Inspector, such a repair may be undertaken only with the full knowledge and consent of the Chief Boiler Inspector, Boiler Safety Program.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.075 Repairs.

- (4) These rules are intended to apply to repairs or alterations to boilers which come under these rules. The repairs made in accordance with these rules shall result in a boiler as safe as when it was originally constructed.
- (5) Upon completion of repairs of an unsafe condition, the Authorized Inspection Agency responsible for the issuance of the withheld Certificate of Operation Compliance shall submit a reinspection report to the Department. The reinspection report shall include pertinent data pertaining to the required repairs including a copy of the “Report of Welded Repair” in the National Board Inspection Code, if applicable.
- (6) Lap Seam Crack. The shell or drum of a boiler in which a lap seam crack is discovered along a longitudinal riveted joint shall be immediately removed from service. If the boiler is not more than 15 years old, a complete new course of the original thickness may be installed at the discretion of the inspector (with the approval of the Chief Boiler Inspector). Patching is prohibited.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.075 Repairs.

(7) Hydrostatic Pressure Test.

(a) A hydrostatic pressure test, when applied to boilers of riveted or welded construction, shall not exceed one and one-half (1 1/2) times the maximum allowable working pressure. Hydrostatic pressure applied to glass lined vessels shall not exceed the maximum allowable working pressure. During the hydrostatic pressure test, the safety valve or valves shall be removed or each valve disk shall be held down by means of a testing clamp and not by applying additional load to the spring with the compression screw. The minimum temperature of the water used to apply a hydrostatic test shall be not less than 70° F., and the maximum temperature shall not exceed 120° F.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.075 Repairs.

(7) Hydrostatic Pressure Test.

(b) When a hydrostatic test is to be applied to existing installations, the pressure shall be as follows:

1. For all cases involving the question of tightness, the pressure shall be equal to the release or set pressure of the safety valve or valves having the lowest release setting.

2. For all cases involving the question of safety, the pressure shall be equal to one and one-half (1 1/2) times, the maximum allowable working pressure.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.075 Repairs.

(8) Riveted Patches.

In applying riveted patches, the design of the patch and the method of installation shall be in accordance with the rules for riveted patches as required by the National Board Inspection Code.

9) Repairs by Fusion Welding

(a) When repairs are to be made involving the use of welding, permission to proceed with the work must be obtained from an Authorized Inspector. All repairs by welding shall be completed in accordance with the rules for repairs for fusion welding to boilers and pressure vessels in the National Board Inspection Code.

(b) Repair Organization.

1. A holder of a valid National Board Certificate of Authorization, authorizing the use of the “R” stamp, or

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.080 Condemned Boilers.

- (1) Any boiler which comes under these rules, having been inspected and declared unsafe by an inspector shall, after approval by the Chief Boiler Inspector, be stamped by the inspector with an arrow head stamp having an overall length of 1/2" and width of 3/8" on either side of the letter "XXX" and the letters of the state as shown by the following facsimile, which will designate a condemned boiler. In addition, the word CONDEMNED shall be stamped under the condemned facsimile.

XXX FL XXX

Condemned

- (2) Any person, firm, partnership or corporation using or offering for sale a condemned boiler which comes under these rules for operation in a place of public assembly within the state shall be subject to the penalty provided in Section 775.083, F.S.

The Boiler Safety Rules

Chapter 69A-51, Florida Administrative Code

PART IV NEW AND EXISTING INSTALLATIONS IN PUBLIC ASSEMBLY LOCATIONS

69A-51.085 Accidents.

(1) When an accident occurs involving a boiler located in a place of public assembly, the owner or user shall promptly notify the Chief Boiler Inspector by submitting a detailed report of the accident. In the event of personal injury or any explosion, notice shall be given immediately by calling (850)413-3614 3645 or by email to Fire.Prevention@MyFloridaCFO.com, and neither the boiler, nor any parts thereof, shall be removed or disturbed before permission has been given by the Chief Boiler Inspector, except for the purpose of saving human life and limiting consequential damage.