

City of Providence

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

CHAPTER 2016-28

No. 304 AN ORDINANCE IN AMENDMENT OF CHAPTER 14, ARTICLE V OF THE CODE OF ORDINANCES, ENTITLED: "ENGINEERS AND BOILER OPERATORS," TO CHANGE SECTION 14-95, DELETE SECTION 14-101, AND ADD SECTIONS 14-103 THROUGH 14-107

Approved July 29, 2016

Be it ordained by the City of Providence:

SECTION 1. Chapter 14-95 in Chapter 14, "Licenses," Article V, "Engineers and Boiler Operators," of the Code of Ordinance of the City of Providence is hereby amended as follows:

Sec. 14-95. - Same-Fees.

Each applicant for a stationary engineer, boiler operator, apprentice boiler operator, or refrigeration engineer license, and each application for renewal shall pay to the director, at the time of application, the following fee:

Bi-annual License	Fee
Stationary engineer	\$10050.00
Boiler operator	8040.00
Apprentice boiler operator (6 month license only)	20.00
Refrigeration machine operator	8040.00

SECTION II. Chapter 14, "Licenses," Article V, "Engineers and Boiler Operators," of the Code of Ordinance of the City of Providence is hereby amended to delete the following section:

~~Sec. 14-101. - Computer-operated equipment.~~

~~(a) Any boiler, refrigeration machinery, turbine, air conditioning system, diesel generator or gas generator which is monitored by a computer based system shall not require an onsite-licensed operator during the hours of 6:00 p.m. and 6:00 a.m.; a time when most building occupancy is at a minimum. From 6:00 a.m. to 6:00 p.m., a licensed operator shall be on the site at all times and in the vicinity of the boiler or equipment rooms; or shall be in a remote area which is provided with alarms in monitoring gages that are both visible and audible. Any such remote area must be approved by the director or the chief mechanical inspector. These hours may be changed with the approval of the chief mechanical inspector to correspond to the actual work hours of an establishment.~~

~~(b) Computer based monitoring control systems shall maintain a printout [of] the following data:~~

~~(1) For all boilers: steam pressure, water temperature, high pressure steam, low and high water level, low and high water temperature, start-stop and low fuel supply.~~

~~(2) For diesel generators: start-stop and engine low fuel supply.~~

~~(3) For refrigeration machinery, air conditioning systems and gas generators: start-stop.~~

~~(c) Records of data printout shall be kept for a period of three (3) years from the date of the recording. Records shall be available for onsite inspection by the director or an authorized representative.~~

SECTION III. Chapter 14, "Licenses," Article V, "Engineers and Boiler Operators," of the

Code of Ordinance of the City of Providence is hereby amended to add the following sections:

Sec. 14-103. - Criteria for authorization of computerized monitoring systems: monitors and indicators.

The director of inspections and standards is authorized to permit computerized monitoring systems under certain circumstances.

- a. For a boiler, a 24-hour computerized monitoring system and automatic controls shall qualify if it meets the requirements of this section.
- b. For a boiler operating at 30 to 299 horsepower, the system shall monitor and indicate:
 - (1) Stack flue gas temperature;
 - (2) Burner status, including "on" and "off" indicators;
 - (3) Flame safety control status, including "normal" and "flame failure" indicators; and
 - (4) One of the following, as applicable:
 - (a) For steam boilers:
 - (i) Pressure; and
 - (ii) Water level; or
 - (b) For hot water boilers, temperature.
- c. For a boiler operating at 300 horsepower or more, the system shall monitor, indicate, and record:
 - (1) Stack flue gas temperature;
 - (2) Burner status, including "on" and "off" indicators;
 - (3) Flame safety control status, including "normal" and "flame failure" indicators; and
 - (4) One of the following, as applicable:
 - (a) For steam boilers:
 - (i) Pressure; and
 - (ii) Water level; or
 - (b) For hot water boilers:
 - (i) Pressure; and
 - (ii) Temperature.

Sec. 14-104. - Alarm.

A computerized monitoring system shall be equipped with an alarm that will activate when:

- a. The stack flue gas reaches a high temperature;
- b. The burner status indicator indicates the burner is "off";
- c. The flame safety control status indicates a "flame failure"; and

d. One of the following occurs, as applicable:

(1) For steam boilers, the:

- (a) Steam reaches low or high pressure; or
- (b) Water reaches low or high level;

(2) For a hot water boiler operating at 30 to 299 horsepower, the water reaches low or high temperature; or

(3) For a hot water boiler operating at 300 or more horsepower the water reaches low or high:

- (a) Pressure;
- (b) Temperature; or
- (c) Level.

Sec. 14-105. - Automatic Shutdown.

A computerized monitoring system shall be equipped with an automatic burner shutdown mechanism that will activate when:

a. Stack flue gas reaches high temperature; and

b. One of the following occurs, as applicable:

(1) For a steam boiler:

- (a) Steam reaches high pressure; or
- (b) Water reaches Low or high level;

(2) For a hot water boiler operating at 30 to 299 horsepower, water reaches high temperature; or

(3) For a hot water boiler operating at 300 or more horsepower, water reaches:

- (a) High pressure;
- (b) High temperature; or
- (c) Low level.

Sec. 14-106. - Manual Reset.

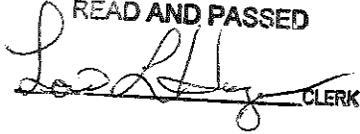
a. Subject to Sec. 14-106(b), manual reset following an automatic shutdown as set forth in this section requires that a licensee or the licensee's designee shall physically inspect the boiler and appurtenances prior to restart.

b. Notwithstanding Sec. 14-106(a), the licensee shall be responsible for the safe operation of a boiler at all times.

Sec. 14-107. - Miscellaneous Provisions.

The director of inspections and standards may accept an alternate computerized monitoring system if the system is equipped with features that provide a comparable level of safety, monitoring, and control to those required by this ordinance, in the opinion of the director.

SECTION IV. These amendments shall take effect upon passage.

IN CITY COUNCIL
JUL 07 2016
FIRST READING
READ AND PASSED

CLERK

IN CITY
COUNCIL
JUL 21 2016
FINAL READING
READ AND PASSED

PRESIDENT

CLERK

I HEREBY APPROVE.


Mayor
Date: 9/29/16