

The City of Providence

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

CHAPTER 1993-15

No. 274 **AN ORDINANCE** IN AMENDMENT OF ARTICLE V
SECTIONS 14-85 et. seq. OF THE CODE OF ORDINANCES

Approved April 20, 1993

Be it ordained by the City of Providence:

SECTION 1.0 LICENSE REQUIRED

It shall be unlawful for any person to operate or have direct charge of any stationary engine or prime mover, stationary steam or hot water boiler, refrigeration plant, air conditioning plant, diesel generator, gas generator, or steam turbine; without first obtaining a license in accordance with the provisions of this ordinance.

Provided, however; that the provisions set forth herein shall not apply to railroad boilers, hoisting engines of any pressure equipment, or any boiler used for the purpose of temporary heat in any building during construction, alterations or repairs.

SECTION 1.1 The horsepower rating of any steam boiler, steam generator, or other pressure vessel operated by any process where liquid or gas fuels are consumed or where electricity is used for the production of steam or hot water shall be determined in accordance with the American Society of Mechanical Engineers (A.S.M.E.) or American Society of Heating, Refrigeration, and Air Conditioning Engineers (A.S.H.R.A.E.) standards. Boiler horsepower shall be calculated on B.T.U. input.

SECTION 2.0 STATIONARY ENGINEER LICENSE

In order to qualify for a Stationary Engineer License, an applicant shall meet the following minimum requirements:

A. Shall have graduated from a high school or have a GED diploma; and

B. Shall have been employed as a Licensed Boiler Operator for (5) five years or have been an assistant to a Licensed Stationary Engineer for at least three (3) years preceding the date of application; or shall have graduated as a Mechanical Engineer from an accredited engineering school; and

C. Shall have received a passing grade in a written, oral or practical examination administered by the Chief Examiner, as defined in Section 6.0.

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SECTION 2.1 Holders of a Stationary Engineer License shall be eligible to operate the following equipment:

- A. Any stationary engine or prime mover of cumulative horsepower
- B. Any refrigeration machinery
- C. Steam or hot water boilers
- D. Diesel generator
- E. Air conditioning machinery
- F. Hydraulics system
- G. Gas generator
- H. Steam turbine

SECTION 3.0 BOILER OPERATORS LICENSE

In order to qualify for a Boiler Operators License, an applicant shall meet the following minimum requirements:

- A. Shall have held an Apprentice Boiler Operators Permit in accordance in Section 5.0 immediately prior to applying for a Boiler Operators License; and
- B. Shall have received a passing grade in a written, oral, or practical examination administered by the Chief Examiner, as defined in Section 6.0; and
- C. Shall be at least twenty one (21) years old.

SECTION 3.1 Holders of a Boiler Operators License shall be eligible to operate any steam or hot water boiler not exceeding 100 H.P. If a Boiler Operator is on duty with a Stationary Engineer, he/she may operate, under the supervision of the Stationary Engineer, any equipment described in Section 2.1.

SECTION 4.0 REFRIGERATION MACHINE OPERATORS LICENSE

In order to qualify for a Refrigeration Machine Operators License, an applicant shall meet the following requirements:

- A. Shall have graduated from a high school or have a GED diploma; and
- B. Shall have received a passing grade in a written, oral, or practical examination administered by the Chief Examiner as defined in Section 6.0.

SECTION 4.1 Upon receipt of a Refrigeration Machine Operators License, the license holder shall be eligible to operate the following equipment:

- A. Refrigeration machinery of fifteen (15) tons capacity with Group 2 or Group 3 (Moderate or High Hazard Refrigerants).
- B. Refrigeration machinery of more than one hundred (100) tons capacity with Group 1 (Low Hazards Refrigerants).

SECTION 4.2 Classifications of Refrigerants

A. Group 1-Low Hazard shall include but not be limited to: carbon dioxide, freon, methylene chloride, sulphur dioxide.

B. Group 2-Moderate Hazard shall include but not be limited to: ammonia, ethyl chloride, methyl chloride, sulphur dioxide.

C. Group 3-High Hazard shall include but not be limited to: butane, ethane, and propane.

SECTION 5.0 APPRENTICE BOILER OPERATORS PERMIT

In order to qualify for an Apprentice Boiler Operator Permit, an applicant shall meet the following minimum requirements:

A. Present a letter of introduction from an employer; and

B. Shall be employed and working under the supervision of a licensed Boiler Operator or a Stationary Engineer; and

C. Shall have graduated from a high school or have an GED diploma.

SECTION 5.1 An Apprentice Boiler Operators Permit shall be valid for a period of not more than six (6) months. Upon expiration of said term, a permit holder may apply for an operators license; or shall renew the Apprentice Boiler Operators Permit.

SECTION 6.0 AUTHORITY TO ISSUE LICENSES

The Director of Inspections and Standards is hereby authorized and empowered to examine and license Stationary Engineers, Boilers Operators, Refrigeration Machine Operator and Apprentice Boiler Operator and promulgate suitable rules and regulations for such purposes. Such rules and regulations shall be issued in printed form. The Director shall approve a Chief Examiner to carry out the provision of this ordinance under the supervision of the Chief of the Division of Mechanical Installations. This examiner shall have a State of Rhode Island Master Mechanical License.

SECTION 6.1 Examinations for Licenses: Examinations may be written, oral, or practical as determined by the Chief Examiner. The purpose of the examination is to determine the qualifications and ability of the applicant. If the candidate fails to pass the examination, he or she may apply for re-examination at the expiration of a (6) month period. Fees as designated in Section 6.5 shall accompany the application and are not refundable. There shall be no charge for re-examination.

SECTION 6.2 Issuance of Licenses: If upon examination, the applicant for a license is found proficient in the operation of the necessary equipment by the Director or Chief Examiner, a license shall be granted to the applicant allowing the applicant to be in direct charge of and operate such equipment up to the period ending June 30th after the date the license was issued. Apprentice License shall expire 6 months from the date of issuance.

SECTION 6.3 Revocation of Licenses: The Director shall investigate all complaints against any license holder. If after investigating a complaint, the Director finds that there is sufficient evidence to indicate that a license holder has provided fraudulent information in order to obtain a license; has failed to carry out his/her responsibilities, thereby endangered the public health, safety or welfare; or has displayed an inability to carry out his or her duties; the Director may suspend or revoke said license. A license holder shall have the right to a hearing before the Director prior to any revocation or suspension. Any person aggrieved by a decision of the Director may make an appeal to the Municipal Court.

SECTION 6.4 Renewals Upon Application: Upon application, a person to whom a license has been issued under this ordinance, shall be entitled to an annual license renewal, unless the Director has revoked or suspended such license in accordance with Section 6.3. A licensee that has not renewed a license for a period of two (2) years or more may be subject to re-examination at the discretion of the Chief of Mechanical Inspector.

SECTION 6.5 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:

License	New	Renewal
Stationary Engineer	\$50.00	\$40.00
Boiler Operator	\$40.00	\$30.00
App. Boiler Operator	\$20.00	\$20.00
Refig. Machine Oper.	\$40.00	\$30.00

SECTION 6.6 License Form: The Director is authorized to develop a license in the form and substance satisfactory to carry out the provisions of this Ordinance.

SECTION 6.7 License Display: Each Stationary Engineer, Boiler Operator, Refrigeration Machine Operator and Apprentice Boiler Operator shall carry the respective license on their person whenever they are on duty. Failure to have their respective license on their person or inability to show the license to the Director or his designees at their request shall be sufficient cause for the Director to hold a hearing on suspension or revocation of the license in accordance with Section 6.3.

SECTION 7.0 OPERATORS REQUIRED

Licensed Operators are required under the following conditions:

A. Boiler Operator or Stationary Engineer shall be in charge of all boilers, stationary engines, prime movers, diesel engines, gas engines, and steam turbines from 30 H.P. to 100 H.P.

B. A Stationary Engineer or a Refrigeration Machine operator shall be in charge of all refrigeration equipment and air conditioning equipment over 100 tons using Group 1 refrigerants; or refrigeration equipment of 15 tons or more using Group 2 or Group 3 refrigerants as defined in Section 4.2.

C. A Stationary Engineer shall be in charge of all boilers, stationary engines, prime movers, diesel engines, gas engines, and steam turbines over 100 H.P.

D. A Stationary Engineer, Boiler Operator, or Refrigeration Machine Operator shall be on duty at all times and shall be in the vicinity of the Mechanical Equipment Room and shall not leave the building containing the equipment which they are assigned to watch. For equipment which is monitored by a computer system, refer to Section 10.0

SECTION 8.0 TEMPORARY BOILERS-PORTABLE TYPE

Portable type temporary boilers of more than 100 horsepower shall be maintained by a Stationary Engineer or a Boiler Operator under the supervision of a Stationary Engineer. Such operators shall keep a log book of the equipment operation. Entries shall be made at least 3 times during a 24 hour period and shall include data as required by Section 10.1.

SECTION 9.0 HOUSEKEEPING: AIR CONDITIONING AND REFRIGERATION SYSTEMS

All air conditioning and refrigerations systems shall be maintained in a clean and orderly condition; free from accumulations of oily dust, waste, or other debris. All machinery and piping shall be kept readily accessible at all times for inspection and repair. Plenum chambers, ducts, cooling coils, and heating coils shall be kept clean, and unit filters shall be cleaned or renewed to insure adequate air flow in accordance with designed conditions.

SECTION 10.0 COMPUTER OPERATED EQUIPMENT

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 on site 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.

SECTION 10.1 Computer based monitoring and control systems shall maintain a printout of the following data:

A. 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.

B. For Diesel Generators: start-stop and engine low fuel supply.

C. For Refrigeration Machinery, Air Conditioning Systems and Gas Generators: start-stop.

SECTION 10.2 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 on site inspection by the Director or an authorized representative.

RECEIVED TO THE CLERK
CITY OF CHICAGO

SECTION 11.0 AVAILABILITY FOR INSPECTION

In the discharge of duties, the Director or an authorized representative shall have the authority to enter at any reasonable hour, any building, to insure compliance with the requirements of this ordinance.

SECTION 12.0 SEVERABILITY

If any provision of this Ordinance, or application thereof to any person or circumstances, is held unconstitutional, illegal, or otherwise invalid, the remaining provisions of this Ordinance and the application of such provisions to other than those to which it has been invalid, shall not be affected thereby.

SECTION 13.0 This Ordinance shall take effect upon its passage.

IN CITY COUNCIL
APR 7
FIRST READING
READ AND PASSED

Michael R. Clement CLERK

IN CITY COUNCIL

APR 15 1993
FINAL READING
READ AND PASSED

Evelyn V. Fargnoli
PRESIDENT
Michael R. Clement CLERK

APPROVED
APR 20 1993
Joseph A. Craver
MAYOR

J.A.

IN CITY COUNCIL
Dec. 3, 1992
FIRST READING
REFERRED TO COMMITTEE ON
ORDINANCES

Michael L. Slone CLERK

Councilman Jester (By request)

THE COMMITTEE ON
ORDINANCES

Recommends *Continued*

Barbara A. Garner
Clerk

1/12/93
1/26/93
3/16/93

COMMITTEE
ON
ORDINANCES

APPROVED BY
THE COMMITTEE

DATE

THE COMMITTEE ON
ORDINANCES

Approves Passage of
The Within Ordinance

Barbara A. Garner
3/23/93 Chairman
Clerk