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ORDINANCE NO. 25374

AN ORDINANCE OF THE CITY OF TULSA, OKLAHOMA, AMENDING SUBSECTION C, “EXPERIENCE”, SUBSECTION D, “RETESTING”, AND SUBSECTION E, “ISSUANCE OF CERTIFICATES OF COMPETENCY”, OF SECTION 200, “EXAMINATION AND LICENSING OF STATIONARY ENGINEERS AND PROCESS STEAM BOILER OPERATORS”, AND AMENDING SUBSECTION B, “PERIODS OF DUTY ESTABLISHED FOR STATIONARY ENGINEERS AND PROCESS STEAM BOILER OPERATOR OPERATING MECHANICAL EQUIPMENT REQUIRING LICENSED OPERATORS”, AND SUBSECTION E, “OPERATING PROCEDURES FOR PROCESS STEAM BOILERS”, ADOPTING NEW SUBSECTION “F”, “OPERATING PROCEDURES FOR PROCESS STEAM BOILERS MONITORED WITH COMPUTERIZED SAFETY EQUIPMENT” OF SECTION 201, “MECHANICAL EQUIPMENT REQUIRING LICENSED OPERATORS”, OF CHAPTER 2, “STATIONARY ENGINEERS”, OF TITLE 59, “MECHANICAL CODE”, OF TULSA REVISED ORDINANCES (TRO); PROVIDING FOR SEVERABILITY; REPEALING ALL ORDINANCES AND PARTS OF ORDINANCES IN CONFLICT HEREWITH, AND ESTABLISHING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE CITY OF TULSA:

Section 1. That Subsection C, Titled “Experience”, in Section 200, Titled “Examination and licensing of stationary engineers and process steam boiler operators” in Chapter 2, Titled “Stationary Engineers”, of Title 59, Titled “Mechanical Code”, of Tulsa Revised Ordinances (“TRO”), be and the same is hereby amended, and shall recite in its entirety as follows:

“C. Experience. Applicants for the following classes of licenses shall have the minimum experience designated for such class of license as follows:

1. **First Class Engineer's License.** All applicants for a First Class Engineer's License shall:
 - a. Have at least three (3) years' experience in the operation or assisting in the operation of boilers exceeding fifteen (15) psig steam or one hundred sixty (160) psig water pressure or 250° Fahrenheit water temperature and refrigeration or air conditioning units exceeding one hundred fifty (150) tons; or
 - b. Be a currently-licensed Mechanical Journeyman/Contractor who has had at least one (1) year of experience operating or assisting in the operation of the equipment described in Subsection 200.C.1.a, above; or worked for a Mechanical Contractor

for at least three (3) consecutive years installing the equipment described in Subsection 200.C.1.a, above; or

- c. Have a First Class Limited License and at least three (3) years' experience operating or assisting in the operation of the equipment described in Subsection 200.C.1.a, above; or have a First Class Limited License, having held such license for at least one (1) year and a certificate from an approved school certifying that the applicant has completed a City of Tulsa, Inspections Department, approved course covering the operation of chillers and boilers, and at least one (1) year of experience in the operation of the equipment described in Subsection 200.C.1.a, above; or
 - d. Be a currently-licensed Unlimited Mechanical Journeyman/Contractor in the State of Oklahoma who has a certificate from an approved school certifying that the applicant has completed a City of Tulsa, Inspections Department, approved course covering the operation of chillers and boilers, and at least one (1) year of experience in the operation of the equipment described in Subsection 200.C.1.a, above.
2. **First Class Limited Engineer's License.** All applicants for a First Class Limited Engineer's License shall:
- a. Have at least one (1) year of experience in the operation or assisting in the operation of low or high pressure boilers and at least three (3) years' experience in the operation or assisting in the operation of refrigeration or air conditioning units exceeding one hundred fifty (150) tons; or
 - b. Be a currently-licensed Unlimited Mechanical Journeyman/Contractor in the State of Oklahoma who has had at least six (6) months of experience operating or assisting in the operation of low-pressure boilers with an operating temperature of less than 250° Fahrenheit and subject to pressure not exceeding fifteen (15) psig steam or one hundred sixty (160) psig water, and six (6) months of experience in the operation of refrigeration or air conditioning units exceeding one hundred fifty (150) tons, including all related pumps and apparatus, and who has a certificate from an approved school certifying that the applicant has completed a City of Tulsa, Inspections Department, approved course covering the operation of chillers and boilers.
3. **Third Class Engineer's License.** All applicants for a Third Class Engineer's License shall have at least one (1) years' experience in the operation or assisting in the operation of low or high pressure boilers.
4. **Steam Special Engineer's License.** All applicants for a Steam Special Engineer's License shall have a least three (3) years' experience in the operation or assisting in the operation of boilers exceeding fifteen (15) psig steam or one hundred sixty (160) psig water pressure.
5. **Refrigeration Special Engineer's License.** All applicants for a Refrigeration Special Engineer's License shall have at least three (3) years' experience in the operation or assisting in the operation of refrigeration or air conditioning units exceeding one hundred fifty (150) tons.
6. **Process Steam Boiler Operator's License.** All applicants for a Process Steam Boiler Operator's License shall pass a written examination, and:

- a. Have a minimum of three (3) months' experience in the operation or assisting in the operation of Process Steam Boilers of over ten (10) horsepower (334,750 BTU/Hour) input; or
- b. Have successfully completed a short course approved by the Code Official on the safe and proper operating practices for high pressure steam process application boilers.

When the operating experience of applicants for the Process Steam Boiler Operator's license is limited to process steam boilers of fifty (50) horsepower (1,673,750 BTU/Hour) input or less and subject to an operating pressure of one hundred fifty (150) psig or less, that experience can only be used toward the experience required for a Third Class license. All experience required for any of the aforementioned classes of license defined in this section and so claimed by an applicant for such class of license shall be proven by a notarized certification from former and present employers concerning the examinee's experience and qualifications. Only experience on the equipment itemized in Section 201 of this Code shall be considered."

Section 2. That Subsection D, Titled "Retesting", in Section 200, Titled "Examination and licensing of stationary engineers and process steam boiler operators" in Chapter 2, Titled "Stationary Engineers", of Title 59, Titled "Mechanical Code", of Tulsa Revised Ordinances ("TRO"), be and the same is hereby amended, and shall recite in its entirety as follows:

"D. Retesting. An applicant shall be permitted to retest in accordance with the following:

Retesting:	The next testing date of the month following the failed test.
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Section 3. That Subsection E, Titled "Issuance of Certificates of Competency", in Section 200, Titled "Examination and licensing of stationary engineers and process steam boiler operators" in Chapter 2, Titled "Stationary Engineers", of Title 59, Titled "Mechanical Code", of Tulsa Revised Ordinances ("TRO"), be and the same is hereby amended, and shall recite in its entirety as follows:

"E. Issuance of Certificates of Competency. Stationary Engineer applicants and Process Steam Boiler Operator applicants receiving a grade of seventy percent (70%) or higher on a required written examination shall be issued a Certificate of Competency. All Certificates of Competency shall display the date of passage of the examination or, if issued without examination as provided in this chapter, the basis for the applicant's qualification. Such certificates shall be consecutively numbered and the Office of Mechanical Inspection shall keep a record of all certificates issued. Should a certificate be lost or destroyed, a duplicate may be obtained under a new registration number by submitting a signed, written request and payment of a replacement fee in accordance with the fee schedule in Title 49, Tulsa Revised Ordinances. Once replaced, the certificate which was lost or destroyed and its registration number shall be invalid."

Section 4. That Subsection B, Titled "Periods of Duty Established for Stationary Engineers and Process Steam Boiler Operator Operating Mechanical Equipment Requiring Licensed Operators", in Section 201, Titled "Mechanical equipment requiring licensed

operators” in Chapter 2, Titled “Stationary Engineers”, of Title 59, Titled “Mechanical Code”, of Tulsa Revised Ordinances (“TRO”), be and the same is hereby amended, and shall recite in its entirety as follows:

“B. Periods of Duty Established for Stationary Engineers and Process Steam Boiler Operator Operating Mechanical Equipment Requiring Licensed Operators. A licensed operator shall personally remain on the premises, except as noted, where any of the mechanical equipment listed in subsection 201.A of this chapter is in operation in accordance with the periods of duty specified in this section. Periods of operator duty shall be determined by the use and occupancy classification of the building or structure as defined in the *ICC International Building Code* 2018 Edition, as amended, within which such equipment is located, as follows:

1.	Use Group A, Assembly Buildings	At all times during public occupancy while regulated equipment is in operation, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.
2.	Use Group B, Business Buildings	At all times during public occupancy while regulated equipment is in operation, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.
3.	Use Group E, Educational Buildings	At all times during public occupancy while regulated equipment is in operation, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.
4.	Use Group F, Industrial Buildings	During each shift of work of the occupying industry, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.
		EXCEPTION: In facilities when the mechanical equipment is being operated by a Process Steam Boiler Operator, the operator shall be on the premises in accordance with Subsection 201.E.
5.	Use Group H, High Hazard	At all times while regulated equipment is in operation;
6.	Use Group I, Institutional Buildings	At all times while regulated equipment is in operation, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.
7.	Use Group M, Mercantile Buildings	During public occupancy while regulated equipment is in operation, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.

8.	Use Group R, Residential Buildings:	
	a. R-1 Structures less than 4 stories	At start-up and shut-down;
	b. R-1 Structures of 4 stories or more	At all times while regulated equipment is in operation, or shall be monitored with computerized safety equipment with an immediate shutdown function and notification system*.
	c. R-2 Structures	At start-up and shut-down;
	d. R-3 Structures	None;
9.	Use Group S, Storage	At start-up and shut-down;
10.	Use Group U, Utility and Miscellaneous	The Code Official shall determine which of the above rules shall apply. Such determination shall be based upon the Use Group that the building or structure most nearly resembles.

*A third-party certificate of compliance in a form acceptable to the Code Official, or their designee, signed and sealed by a Mechanical Engineer licensed in the State of Oklahoma shall be required and submitted annually.

"Public occupancy" shall mean open to public use by license or invitation. The term shall not mean occupancy by custodial, building maintenance, or security personnel, or occasional occupancy by employees, tenants, and their invitees after normal working hours."

***Section 5.** That Subsection E, Titled "Operating procedures for process steam boilers", in Section 201, Titled "Mechanical equipment requiring licensed operators" in Chapter 2, Titled "Stationary Engineers", of Title 59, Titled "Mechanical Code", of Tulsa Revised Ordinances ("TRO"), be and the same is hereby amended, and shall recite in its entirety as follows:*

"E. Operating procedures for process steam boilers monitored by on-premises operators
. Start-up and shut-down procedures shall be posted in the boiler room. The certificate holder shall record in a log the operating conditions of the boiler at a minimum frequency at each day's start-up, at the mid-point of the daily operation and at the shut-down of the process steam boiler. The maximum time period between any two log entries by the certificate holder for a boiler in operation shall be six hours. Each log entry shall include as a minimum the date and time of the entry, the certificate holder's signature, and a checklist of the status of the safety features of the boiler to include as a minimum the boiler operating pressure and the water level in the sight glass. The low water cut-off shall be cycled a minimum of once each operator's shift, and the pressure relief valve shall be lift tested monthly."

***Section 6.** That new Subsection F, Titled “Operating procedures for process steam boilers monitored with computerized safety equipment”, in Section 201, Titled “Mechanical equipment requiring licensed operators” in Chapter 2, Titled “Stationary Engineers”, of Title 59, Titled “Mechanical Code”, of Tulsa Revised Ordinances (“TRO”), be and the same is hereby approved and adopted, and shall recite in its entirety as follows:*

“F. Operating procedures for process steam boilers monitored with computerized safety equipment. In use groups where Section 201(B) allows for computerized safety equipment monitoring, a third-party mechanical engineer shall annually confirm that the certificate holder has distributed operating start-up, shut-down, and remote operating procedures to all remote monitors. The certificate holder must have a system to digitally log the operating conditions of the boiler at minimum of every 6 hours. Certificate holders must ensure that the low water cut-off is cycled manually or remotely a minimum of once each operator’s shift. The pressure relief valve shall be lift tested monthly by an on-premises operator.”

***Section 7. SEVERABILITY CLAUSE.** If any section, subsection, paragraph, subparagraph, sentence, clause or phrase of this ordinance shall be declared invalid for any reason whatsoever, such decision shall not affect the remaining portions of this ordinance, which shall remain in full force and effect, and to this end, the provisions of this Ordinance are hereby declared to be severable.*

***Section 8. REPEAL OF CONFLICTING ORDINANCES.** That all ordinances or parts of ordinances in conflict herewith be and the same are now expressly repealed.*

***Section 9. EFFECTIVE DATE.** This ordinance shall take effect 30 days from and after its adoption, approval and publication as provided by Article II, Section 10, of the Amended Charter of the City of Tulsa.*

ADOPTED by the Tulsa City Council, this 31st Day of July 2024

Phil Lakin, Jr., Vice Chair of the City Council

APPROVED by the Mayor of the City of Tulsa, Oklahoma, this 7th Day of August 2024

G. T. Bynum, Mayor

ATTEST: Christina Chappell, City Clerk

APPROVED: Jack Blair, City Attorney

