Council Bill Number: 111797
Ordinance Number: 118659

AN ORDINANCE relating to Seattle Municipal Code Chapter 6.230, the Seattle Steam Engineers and Boiler Firemen Code, amending Sections 6.230.030, 6.230.040, 6.230.060, 6.230.070, 6.230.140 and 6.230.160, adding and amending definitions, amending the scope of licenses, amending the requirements for observation and inspection of boilers, and adding a new Section 6.230.045 adding a requirement for periodic refresher training for licensed steam engineers and boiler firemen.

Status: Passed
Note: Common names: Parks Enforcement Ordinance; Enhanced Enforcement Ordinance; Parks Exclusion Ordinance
Vote: 8-0 (Excused: Pageler)
Date filed with the City Clerk: 1997/07/23
Date of Mayor's signature: 1997/07/14 (about the signature date)

Date introduced/referred to committee: 1997/06/30
Committee: Business, Economic and Community Development
Sponsor: DRAGO
Committee Recommendation: Pass

Index Terms: MECHANICAL-CODES, PUBLIC-REGULATIONS

Electronic Copy: PDF scan of Ordinance No. 118659

Reference: Amending: Ord 117869, 117202

Text:

ORDINANCE_____

AN ORDINANCE relating to Seattle Municipal Code Chapter 6.230, the Seattle Steam Engineers and Boiler Firemen Code, amending Sections 6.230.030, 6.230.040, 6.230.060, 6.230.070, 6.230.140 and 6.230.160, adding and amending definitions, amending the scope of licenses, amending the requirements for observation and inspection of boilers, and adding a new Section 6.230.045 adding a requirement for periodic refresher training for licensed steam engineers and boiler firemen.

Section 1. Section 6.230.030 of the Seattle Municipal Code, which section was adopted by Ordinance 118049, is amended as follows:

6.230.030 Definitions.

Words and phrases used in this chapter relating to the regulation and licensing of steam engineers and boiler firemen shall have the following meanings:

~~1.~~ "Automatic boiler" means a boiler equipped with certain controls and limit devices as required by the Boiler Code.

~~2.~~ "Boiler" means a closed vessel used for heating water or other liquid or for generating steam or vapor by direct application of heat from combustible fuels or electricity.

~~3.~~ "Boiler Code" is the Seattle Boiler and Pressure Vessel Code (Title 22 Subtitle IVA of the Seattle Municipal Code) as now or hereafter amended.

~~4.~~ "Boiler plant" means one ~~(1)~~ or more boilers and connecting piping and vessels within the same premises.

~~5.~~ "Boiler supervisor" means a steam engineer Grade I, II or III who has passed additional examinations as required by the Department pursuant to the provisions of this chapter.

"BHP" means brake horsepower.

~~6.~~ "City Boiler Inspector" means a City of Seattle Boiler/Pressure Systems Inspector employed by the Department.

~~7.~~ "Department" means the Department of Construction and Land Use.

~~8.~~ "Director" means the Director of the Department of Construction and Land Use.

~~9.~~ "Hoist and portable boiler" means a boiler used to provide steam for the operation of various types of equipment such as floating cranes, piledrivers and other similar types of equipment used in the construction industry.

~~10.~~ "Hot-water supply boiler" is a boiler having a volume exceeding ~~one hundred twenty (~~120~~)~~ gallons, or a heat input exceeding ~~two hundred thousand (~~200,000~~)~~ Btu per hour or an operating temperature not exceeding ~~two hundred ten 210~~ 250 F. or a pressure not exceeding ~~one hundred sixty~~ 160 psi, that provides hot water to be used externally to itself.

"kBtuh" means thousand Btu per hour.

~~11.~~ "Low-pressure hot-water heating boiler" means a boiler in which water is heated at pressures not exceeding ~~one hundred sixty pounds per square inch (~~160 psi~~)~~ and temperatures not exceeding ~~two hundred fifty degrees Fahrenheit (~~250 F.~~)~~.

~~12.~~ "Low-pressure steam-heating boiler" means a boiler operated at pressures not exceeding ~~fifteen pounds per square inch (~~15 psi~~)~~ for steam.

"Monitored boiler" is an Automatic Boiler that meets the requirements of Section 330 of the Boiler Code and is so certified by the Department.

~~13.~~ "Out of service." A ~~n automatic~~ boiler shall be "out of service" if it is manually shut down for inspection, maintenance, or repair, except for limited repairs and adjustments as set forth in Section 6.230.150 F.

~~14.~~ "Power hot-water boiler" (high-temperature water boiler) means a boiler used for heating water or liquid to a pressure exceeding ~~one hundred sixty pounds per square inch (~~160 psi~~)~~ or to a temperature exceeding ~~two hundred fifty degrees Fahrenheit (~~250 F.~~)~~.

~~15.~~ "Power steam boiler" means a boiler in which steam or other vapor is generated at pressures exceeding ~~fifteen pounds per square inch (~~15 psi~~)~~. For purposes of this chapter the term shall not include a small power boiler.

"psi" means pounds per square inch.

~~16.~~ "Small power boiler" means a boiler with pressures exceeding ~~fifteen (~~15~~)~~ psi) but not exceeding ~~one hundred (100)~~ 150 psi and ~~having less than three~~ not exceeding ~~hundred fifty thousand (350,000)~~ 800,000 BTU per hour heat ~~output~~ input.

~~17.~~ "Steam engine" means all prime movers using vapors from a boiler for motive power, steam driven compressors, and steam pumps except steam pumps and similar auxiliaries used only as appurtenances for the operation of a boiler.

~~18.~~ "Water heater" means a closed vessel used for heating water by direct application of heat from combustible fuels or electricity with a nominal water-containing capacity of ~~one hundred twenty (~~120~~)~~ gallons or less having a heat input not exceeding ~~two hundred thousand (~~200,000~~)~~ BTU per hour and an operating temperature not exceeding ~~two hundred ten degrees Fahrenheit (~~210 F.~~).~~

Section 2. Section 6.230.040 of the Seattle Municipal Code, which section was last amended by Ordinance 117864, is amended as follows:

6.230.040 License required Renewal and Expiration.

It is unlawful to have charge of, or operate or permit anyone to have charge of, or operate, any boiler or steam engine without a license~~,~~ to do so issued by the Director or his or her functional predecessor under this chapter. All licenses~~,~~ shall expire at midnight on the thirtieth day of September of each year, and shall not be transferred or assigned. All renewals shall specify the same grade and be subject to such conditions or limitations as may be provided under the license to be renewed. Licensed persons desiring a renewal must also meet the requirements of Section 6.230.045.

Renewal of a license which has been expired for more than one ~~(1)~~ year requires the holder to ~~submit a new application and to be re-examined~~ attend an approved refresher course as described in Section 6.230.045.

Section 3. The Seattle Municipal Code is amended to add a new Section 6.230.045 as follows:

6.230.045 Periodic refresher training required.

Beginning January 1, 1998, all persons licensed by the department must attend an approved refresher course every five years. A document indicating proof of completion of the approved refresher course shall be provided to the Department.

Section 4. Section 6.230.060 of the Seattle Municipal Code, which section was last amended by Ordinance 118049, is amended as follows:

6.230.060 Grades of licenses.

A. The grades of steam engineers' and boiler firemen's licenses shall be as follows:

~~Grade One (I) Boiler Supervisor~~

~~Grade Two (II) Boiler Supervisor~~

~~Grade Three (III) Boiler Supervisor~~

~~Grade One (I) Steam Engineer~~

~~Grade Two (II) Steam Engineer~~

~~Grade Three (III) Steam Engineer~~

~~Grade Four (IV) Boiler Fireman~~

~~Grade Five (V) Small Power Boiler Fireman~~

~~Grade Five (V) Boiler Fireman~~

Grade I Boiler Supervisor,

Grade II Boiler Supervisor,

Grade III Boiler Supervisor,

Grade I Steam Engineer,

Grade II Steam Engineer,

Grade III Steam Engineer,

Grade IV Boiler Fireman,

Small Power Boiler Fireman,

Grade V Boiler Fireman.

B. The scope of each grade of license as related to the type of equipment and capacity subject to any limitations or conditions imposed pursuant to SMC Section 6.230.100 shall be as set forth in the following table:~~Maximum Capacity Allowable

For Grades of License

Type of Equipment ~~Steam Engine Boilers (e) Small Power (brake horsepower) (BTU/hr. input Boiler total)~~

~~Grade I (a) Unlimited Unlimited Unlimited Steam Engineer~~

~~Grade II (a) 1,500 300,000,000 Unlimited Steam Engineer~~

~~Grade III (a) 250 50,000,000 Unlimited Steam Engineer~~

~~Grade IV (b) 0 20,000,000 (b) Boiler Fireman~~

~~Grade V (c) 0 5,000,000 (d) Boiler Fireman~~

~~Grade V Small 0 N/A Less than Power Boiler 400,000 BTU/hr. Fireman input~~

~~Notes to table:~~

~~(a) A boiler supervisor license shall permit the licensee to supervise automatic and/or boilers up to the combined capacity of each individual boiler plant permitted by his/her steam engineer license.~~

~~(b) A Grade IV boiler fireman may operate a battery of not more than two (2) steam or vapor boilers with a combined capacity not greater than twenty million (20,000,000) BTU per hour total input; except, that when he/she is the head fireman on duty and under the direct (on site) supervision of a licensed steam engineer hereunder, he/she may operate a greater number of boilers, or boilers with greater capacity, for the purpose of training but not to exceed the capacity permitted by the license of such supervising engineer.~~

~~(c) A Grade V boiler fireman may operate electric power boilers limited to one hundred pounds per square inch (100 psi) and not exceeding two hundred kilowatts (200 kw) per hour input, provided that such boilers are not in battery.~~

~~(d) A Grade V small power fireman license shall permit the licensee to operate one (1) small power boiler.~~

~~(e) For license determination purposes, BTU per hour input ratings of a boiler shall be computed equal to burner input.~~

B. The minimum requirements for operation of each type and capacity of equipment are as set forth in the following table.

TABLE A (POWER BOILERS/STEAM ENGINES)

Category	Type / Limitations4	Minimum license required	Notes
All	Less than 100 psi and Boilers less than 100 kBtuh input	None	
Electric	Less than 1.5 cubic ft Boilers and 80 psi	None	
Electric	Less than 100 psi and Boilers 200 kw	Grade V Boiler Fireman	1 Boilers on premises
All	Each less than 1,000 kBtuh input, equipped per Table 320-A of the Boiler Code	Grade IV Boiler Fireman (except Boiler Small Power Boiler but not certified as Small Power Boiler Fireman or a Small Power Boiler Fireman)	Two hour checks by a 2 Boilers Automatic. Steam boilers on same header: 2 maximum
Small	Maximum 800 kBtuh input, equipped per Table 320-A of the Boiler Code	Boiler Supervisor and Boilers	Semiannual check by a Power Boiler Automatic. Steam boilers on same header: 2 maximum twice daily checks by a Small Power Boiler Fireman on premises
All other	Maximum 800 kBtuh input. Steam boilers on same header: 2 maximum	Small Power Boiler Fireman on premises	3 Small Power Boilers
Boilers	Maximum 20,000 kBtuh input, steam boilers on same header: 2 maximum	Grade IV Boiler Fireman	Two hour checks by a 2 certified as Automatic
Boilers	Maximum 50,000 kBtuh input, no limitation on number of boilers on same header	Grade III Steam Engineer	Two hour checks by a certified as Automatic
Boilers	Maximum 300,000 kBtuh input, no limitation on number of boilers on same header	Grade II Steam Engineer	Two hour checks by a certified as Automatic
Boilers	Unlimited input	Grade I Steam Engineer	Two hour checks by a certified as Automatic
Boilers	Maximum 20,000 kBtuh input, steam boilers on same header: 2 maximum	Boiler Supervisor and Grade IV Boiler Fireman	Monthly checks by a 2 certified as Monitored twice daily checks by a
Boilers	Maximum 50,000 kBtuh input, no limitations for boilers on same header	Boiler Supervisor and Grade III Steam Engineer	Monthly checks by a certified as Monitored twice daily checks by a
Boilers	Maximum 300,000 kBtuh input, no limitations for boilers on same header	Grade II Boiler Supervisor and Grade II Steam Engineer	Monthly checks by a 6 certified as Monitored twice daily checks by a
Boilers	Unlimited input	Grade I Boiler Supervisor and Grade I Steam Engineer	Monthly checks by a 6 certified as Monitored twice daily checks by a
All other	Maximum 20,000 kBtuh input, steam boilers on same header: 2 maximum	Grade IV Boiler Fireman	Constant attendance 2 boilers by a
All other	Maximum 50,000 kBtuh input, no limitations for boilers on same header	Grade III Steam Engineer	Constant attendance by a

All other Maximum 300,000 kBtuh Constant attendance boilers input, no limitations for by a Grade II Steam boilers on same header Engineer

All other Unlimited input Constant attendance boilers by a Grade I Steam Engineer

Steam Maximum 250 bhp Constant attendance engines by a Grade III Steam Engineer

Steam Maximum 1,500 bhp Constant attendance engines by a Grade II Steam Engineer

Steam Unlimited Constant attendance engines by a Grade I Steam Engineer

TABLE B (LOW PRESSURE BOILERS)

Category Type / Limitations4 Minimum. license Notes required

All Maximum input 2,500 No license required boilers kBtuh

Boilers Maximum input 5,000 Monthly checks by a 1 certified as kBtuh Boiler Supervisor, or Automatic quarterly checks by a Boiler Supervisor and twice daily checks by a Grade V Boiler Fireman, or a Grade V Boiler Fireman on premises

Boilers Maximum input exceeds Quarterly checks by 2 certified as 5,000 kBtuh but does not a Boiler Supervisor and Automatic exceed 20,000 kBtuh. Steam twice daily checks by a boilers on same header: 2 Grade IV Boiler Fireman maximum

Boilers Maximum input exceeds Quarterly checks by certified as 20,000 kBtuh but does not a Boiler Supervisor and Automatic exceed 50,000 kBtuh. No twice daily checks by a limitation on boilers on Grade III Steam same header Engineer

Boilers Maximum input exceeds Quarterly checks by certified as 50,000 kBtuh but does not a Grade II Boiler Automatic exceed 300,000 kBtuh. No Supervisor and twice limitation on boilers on daily checks by a Grade same header II Boiler Supervisor

Boilers Maximum input exceeds Quarterly checks by certified as 300,000 kBtuh. No a Grade I Boiler Automatic limitation on boilers on Supervisor and twice same header daily checks by a Grade I Steam Engineer

Boilers Maximum input exceeds Semiannual checks by 2 certified as 5,000 kBtuh but does not a Boiler Supervisor and Monitored exceed 20,000 kBtuh. Steam twice daily checks by a boilers on same header: 2 Grade IV Boiler Fireman maximum

Boilers Maximum input exceeds Semiannual checks by certified as 20,000 kBtuh but does not a Boiler Supervisor and Monitored exceed 50,000 kBtuh. No twice daily checks by a limitation on boilers on Grade III Steam same header Engineer

Boilers Maximum input exceeds Semiannual checks by 6 certified as 50,000 kBtuh but does not a Grade II Boiler Monitored exceed 300,000 kBtuh. No Supervisor and twice limitation on boilers on daily checks by a Grade same header II Steam Engineer

Boilers Maximum input exceeds Semiannual checks by 6 certified as 300,000 kBtuh. No a Grade I Boiler Monitored limitation on boilers on Supervisor and twice same header daily checks by a Grade I Steam Engineer

All other Maximum input exceeds Grade V Boiler 5 boilers 2,500 kBtuh but does not Fireman on premises exceed 5,000 kBtuh

All other Maximum input exceeds Constant attendance 2 boilers 5,000 kBtuh but does not by a Grade IV Boiler exceed 20,000 kBtuh. Steam Fireman boilers on same header: 2 maximum

All other Maximum input exceeds Constant attendance boilers 20,000 kBtuh but does not by a Grade III Steam exceed 50,000 kBtuh. No Engineer limitation on boilers on same header

All other Maximum input exceeds Constant attendance boilers 50,000 kBtuh but does not by a Grade II Steam exceed 300,000 kBtuh. No Engineer limitation on boilers on same header

All other Maximum input exceeds Constant attendance boilers 300,000 kBtuh. No by a Grade I Steam limitation on boilers on Engineer same header

Footnotes to Tables A and B:

A Grade V Boiler Fireman can also operate a low pressure boiler up to 5,000 kBtuh. A Grade V Boiler Fireman cannot operate steam boilers in battery

A Grade IV Boiler Fireman may operate a battery of not more than two steam or vapor boilers with a combined capacity no greater than 20,000 kBtuh total input; except when he/she is the head fireman on duty and under the direct (on site) supervision of a licensed steam engineer hereunder, he/she may operate a greater number of boilers, or boilers with greater capacity, for the purpose of training but not to exceed the capacity permitted by the license of such supervising engineer

A Small Power Boiler Fireman license shall permit the licensee to operate no more than two small power boilers subject to the limitation in Table A.

For license determination purposes, kBtuh or KW input ratings of a boiler shall be computed:~~as equal to burner input as rated and labeled by the burner manufacturer for gas, propane and similar burners. Where actual fuel flow during burner operation at the maximum firing rate can be reliably measured, the burner input may be computed by such method. as equal to the gallons-per-hour rating of the fuel nozzle or nozzles for oil burners as equal to the electrical input in KW as rated and labeled by the boiler manufacturer for electric boilers as the greater of all computed inputs in the case of multiple fuel burners as the cumulative input, as measured in a), b), c), or d) above, for boilers in battery (connected to a common header).

A For boilers in battery so wired electrically such that only a single boiler can operate at a given time, the license requirement for such battery shall be determined by the most restrictive individual license requirement for any boiler in the battery.

A Grade V Boiler Fireman can also operate an electric boiler less than 100 psi and 200 kw. A Grade V Boiler Fireman cannot operate steam boilers in battery A Grade III Steam Engineer can attend to Grade II Monitored boilers and a Grade II Steam Engineer can attend to Grade I boilers when such boilers are checked weekly by a Boiler Supervisor

Section 5. Section 6.230.070 of the Seattle Municipal Code, which section was last amended by Ordinance 118398, is amended as follows:

6.230.070 Issuance of licenses.

Persons desiring a license described in Section 6.230.060 shall make written application to the Department on the forms provided by the Department. Such application shall include the applicant's full name and address. Applications shall be accompanied by a receipt showing payment of the required examination fee as provided under Chapter 22.901J.

A. Applicants for a steam engineer's license, Grade I, II, or III shall show ~~by competent evidence~~ to the satisfaction of the Director one ~~(1)~~ of the following:

1. That he/she has been employed at least three ~~(3)~~ years in a position directly responsible for the care and operation of boilers or steam engines, or in the design or supervision of boilers, boiler systems, boiler firing and automatic control and safety systems, or under the direct supervision of a licensed steam engineer, Grade I, II or III; or

2. That he/she has at least three ~~(3)~~ years of practical experience as a machinist apprentice in a steam engine works together with one ~~(1)~~ year of employment in the direct care and operation of boilers and steam engines; or

3. That he/she has graduated from a recognized school of technology and has had at least one ~~(1)~~ year of employment in the direct care and operation of boilers and steam engines.

Completion of a ~~boiler fireman's~~ course as described in C.2 below, approved by the Department or its functional predecessor shall be the equivalent of one ~~(1)~~ year of practical experience under subsections 1 or 2 above, however, each applicant will be entitled to only one ~~(1)~~ such credit.

B. Any licensed Grade I, II or III steam engineer may apply for an upgrade to Boiler Supervisor, Grade I, II or III. Such applicant shall show ~~by competent evidence~~ to the satisfaction of the Director that he/she has been employed at least three ~~(3)~~ years in one ~~(1)~~ of the following:

1. In a position directly responsible for the care or operation of boilers, or steam engines;

2. In the design or supervision of boilers, boiler systems, boiler firing, and automatic control and safety systems;

3. In the direct supervision of a licensed Grade I, II or III steam engineer.

C. Applicants for a Grade IV boiler fireman license shall show ~~by competent evidence~~ to the satisfaction of the Director one ~~(1)~~ of the following:

1. One ~~(1)~~ year of practical experience in the care and operation of a boiler; or

2. Completion of an in-service training course in the fundamentals of boiler operation as approved by the Department or its functional predecessor which shall include at least forty (40) hours of classroom work together with;

a. eighty ~~(80)~~ hours of on-site training relating to the care and operation of boilers under the direct supervision of a steam engineer with a license of Grade I, II or III; or,

b. forty ~~(40)~~ hours of lab work at a facility approved by the Department.

D. Applicants for a Grade III Steam Engineer License limited to hoist and portable boilers, shall show ~~by competent evidence~~ to the satisfaction of the Director, one (1) of the following:

1. Three ~~(3)~~ years of practical experience in the care and operation of boilers and steam engines; or

2. Completion of an in service training course on the fundamentals of boiler operation, as approved by the Department or its functional predecessor which shall include fifty-five ~~(55)~~ hours of classroom work, together with ~~one hundred twenty (~~120~~)~~ hours of work relating to the care and operation of a minimum of two ~~(2)~~ separately located hoist and portable boilers, under the direct supervision of a steam engineer with a license of Grade I, II or III.

E. All persons applying for a license under this chapter shall be examined by the Department according to the provisions of Section 6.230.100. Upon determination by the Department that the applicant has passed the applicable examination and is otherwise qualified under this chapter, including payment by the applicant of the license fee, the Director shall issue the license. In lieu of a qualifying technical examination, the Director may accept as evidence of meeting the

applicable ~~ordinance~~ requirements of Section 6.230.100, a valid and current license issued by the City of Tacoma which maintains a licensing and testing program that, in the judgment of the Director, meets or exceeds City of Seattle requirements.

Section 6. Section 6.230.140 of the Seattle Municipal Code, which section was last amended by Ordinance 117864, is amended as follows:

6.230.140 Duties of steam engineers and boiler firemen.

A licensed steam engineer and boiler fireman shall perform the following duties in connection with his/her operation and maintenance of boilers and steam engines:

A. Test the operation of the boiler and its control and safety devices periodically on a routine basis in accordance with nationally recognized standards and/or boiler and control manufacturer's written recommendations;

B. Maintain and operate the equipment in a safe manner and according to nationally recognized standards such as those recommended by the American Society of Mechanical Engineers for boilers and as adopted by the Steam License Advisory Board. Such standards shall be filed with the City Clerk;

C. Prepare and maintain a boiler log book and record, at least daily or as otherwise required by this Chapter, such pertinent boiler readings and data as may be recommended by the boiler manufacturer, nationally recognized standards, or required by the Boiler Inspector and/or the senior license holder or other authorized person in charge of the boiler operation. The boiler logbook shall be kept on the premises at all times and be available for inspection by the City Boiler Inspector.

Section 7. Section 6.230.160 of the Seattle Municipal Code, which section was last amended by Ordinance 118049, is amended as follows:

6.230.160 Observation and inspection of boilers.

A. Non-automatic Boilers and Steam Engines. No engineer or boiler fireman in charge of a boiler, boiler plant, or steam engine, for the operation of which this chapter requires a license of Grade I, II, III or IV, shall leave the immediate vicinity thereof for more than twenty (20) minutes when such boiler, boiler plant, or steam engine is being operated. No steam engineer or boiler fireman, licensed under this chapter, in charge of any boiler or steam engine shall leave the premises of his/her employment when such boiler or steam engine is being operated without first either stopping the steam engine and shutting off all sources of heat in the boiler or being relieved by a person duly licensed under this chapter.

~~Provided, that such attendance requirements shall not apply to the operation of small power boilers and power steam boilers having less than one million (1,000,000) BTU per hour input where such boilers are equipped with approved automatic burners and automatic burner safety controls in accordance with applicable provisions of the Boiler Code as now or hereafter amended, relating to oil and gas burners. For such boilers so equipped, the attendance requirements shall be the same as that set forth for power boilers in subsection B of this section.~~

~~B. Automatic Boilers. The following provisions relating to the frequency of observation and/or inspection of boilers shall apply to the operation of automatic boilers:~~

~~1. Low-pressure hot-water heating boilers, low-pressure steam heating boilers, hot-water supply boilers with a capacity of two million five hundred thousand (2,500,000) to five million (5,000,000) BTU per hour input: monthly check by boiler supervisor, or at least a twice daily check by a licensed operator and quarterly check by a boiler supervisor;~~

~~2. Low-pressure hot-water heating boilers, low-pressure steam heating boilers, hot-water supply boilers with a capacity over five million (5,000,000) BTU per hour input: at least a twice daily check by a licensed operator and quarterly check by a boiler supervisor;~~

~~3. Power hot water boilers and power steam boilers with a capacity over one hundred thousand (100,000) BTU per hour input: check by licensed operator at two (2) hour intervals;~~

~~4. Small power boilers: at least a twice daily check by a licensed operator and semi-annual check by a boiler supervisor.~~

~~Provided, that the following attendance requirements shall apply to the operation of automatic boilers equipped with an approved monitoring system: twice daily observation by a licensed operator and monthly check by the boiler supervisor; Provided further, that Grade II steam engineers may attend to Grade I monitored automatic boilers and Grade III steam engineers may attend to Grade II monitored automatic boilers when such boilers are checked weekly by a boiler supervisor.~~

~~C.~~ B. Definitions. Phrases used in this section shall have the following meanings:

1. "Check by Boiler Supervisor" means inspection of all controls and safety devices pursuant to the requirements of Section 6.230.150 D.

2. "Check by licensed operator" means ~~supervision of boiler with responsibility for~~ physical examination of the boiler or engine to ensure proper operation and maintenance pursuant to the requirements of SMC Sections 6.230.130 and 6.230.140.

3. "Approved monitoring system" means a monitoring system manufactured, installed, and maintained in a manner approved by the Director.

4. "Twice daily check" means two ~~(2)~~ inspections of a boiler that are required to be recorded in the boiler logbook by this chapter. The first check of the day shall be made not less than eight ~~(8)~~ hours after the last recorded check of the previous day; the second check of the day shall be made at least six ~~(6)~~ hours after the first recorded check of the day. This definition shall not preclude, in any way, additional checks being made to ensure safe operation of a boiler. Twice daily checks may not be performed by a Boiler Supervisor unless such Boiler Supervisor is a full time employee of the boiler owner.

5. "Check by a licensed operator at two hour intervals" must include an entry in the boiler log.

Section 5. This ordinance shall take effect and be in force thirty (30) days from and after its approval by the Mayor, but if not approved and returned by the Mayor within ten (10) days after presentation, it shall take effect as provided by the Municipal Code Section 1.04.020.

Passed by the City Council the _____ day of _____, 1997, and signed by me in open session in authentication of its passage this _____ day of _____, 1997.

_____

President of the City Council

Approved by me this ____ day of _____, 1997.

_____

Norman B. Rice, Mayor

Filed by me this _____ day of _____, 1997.

_____

City Clerk

(SEAL)