

Ordinance No. 813

AN ORDINANCE to amend Article II, Chapter 26 of the Code of the City of Alexandria, Virginia, 1953, as amended, by adding a new section thereto numbered 26-31, which new section numbered 26-31 relates to PACKAGED STEAM-GENERATORS, which said Article II relates to REQUIREMENTS AS TO INSTALLATIONS, REPLACEMENTS AND APPARATUS, and which said Chapter 26 relates to SMOKE CONTROL.

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That Article II, Chapter 26 of the Code of the City of Alexandria, Virginia, 1953, as amended, be, and the same hereby is, amended by adding a new section thereto numbered 26-31.

Sec. 26-31. Packaged Steam-Generators.

Packaged steam-generators, consisting of a boiler and burner, equipped with all controls designed as a unit, with all the air for combustion mechanically introduced and having mechanical draft, may be approved for installation subject to the following specific requirements and all other applicable requirements of the Codes of the City of Alexandria, Virginia.

- (a) Use of solid fuel in such units is prohibited.
- (b) Each boiler and burner shall be an integral unit complete with all the necessary controls and ready for operation when service connections are made.
- (c) Each unit shall be completely assembled and tested by the unit manufacturer before shipment and a record of such operating test shall be provided.
- (d) Each unit shall be built in accordance with the American Society of Mechanical Engineers' boiler code and shall include protection against ignition failure, flame failure, excess pressure, excess flue gas temperature, low water and furnace explosion, and shall provide accessibility for inspection and cleaning.
- (e) Each unit shall be approved by the Underwriters Laboratories or other nationally recognized inspection board or laboratory, and shall bear a metal plate permanently attached indicating such approval and specifying the grades of oil for which the burner is approved.
- (f) Each unit shall have a metal plate permanently attached giving the manufacturer's name, the model or size number of the unit and the guaranteed output of the boiler in pounds of steam per hour as determined by tests conducted in accordance with the American Society of Mechanical Engineers' power test code. The duration of the test shall not be less than 4 hours.
- (g) In any case in which a unit has not been approved by the Division of Smoke Regulation prior to receipt of application for permit, the applicant shall submit the manufacturer's installation and service manual, drawings and specifications including heating surface, and record of the American Society of Mechanical

Engineers' performance tests for each unit proposed to be installed.

The sizes of stacks shall be as shown in the following table. In all other respects stacks shall conform to all provisions of Section 26-25, Article II, of this Chapter.

TABLE

Square Stack

Horse Power Manufacturer's Ratings	Round Stack Diameter Inches	Firebrick- lined Inches Inside	Standard Flue Lining Inches
10	12		13 x 13
15	12		13 x 13
20	12		13 x 13
30	12		13 x 13
40	14		18 x 18
50	14		18 x 18
60	14		18 x 18
70	16		18 x 18
80	16		18 x 18
100	18		18 x 18
125	18		18 x 18
150	20		20 x 20
200	24	22 x 22	
250	24	22 x 22	
300	28	26 x 26	
350	28	26 x 26	
400	32	30 x 30	
450	32	30 x 30	
500	32	30 x 30	

Stack heights shall not be less than 45 feet above ground level for power boilers and 35 feet for heating boilers, but consideration must be given to the location of the stack in reference to other buildings, as provided in Section 26-25(n), Article II, of this Chapter. Steel stack and breeching shall be welded throughout.

The Smoke Regulation Engineer is hereby authorized to make such investigations and inspections as may, in his discretion, be necessary to assure that any such generator is built and will operate in compliance with the requirements above stated.

Section 2. That this ordinance shall be published in a newspaper of general circulation in the City not later than five days following its introduction, together with a notice containing the time and place for a public hearing. The Clerk of the Council shall note the date of introduction and first reading, the date of publication, the date of the public hearing, and the date of the second reading and final passage in the minutes of the meeting. This ordinance shall become effective the date of its final passage.

MARSHALL J. BEVERLEY
Mayor

Final Passage: March 9, 1954