



BUILDINGS
2022-012
BULLETIN
TECHNICAL

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PURPOSE: To clarify exceptions to a required licensed High-Pressure Boiler Operating Engineer allowed under AC 28-413.1.

SUBJECT(S): High-pressure boiler, Steam boilers, Hot water boilers, Licensed High-Pressure Boiler Operating Engineer

RELATED CODE SECTIONS & RESOURCES: AC 28-413.1

I. BACKGROUND

Section 28-413.1 requires that a high-pressure boiler be operated under the direct and continuing supervision and in the presence of a high-pressure boiler operating engineer. However, this section allows operation of high-pressure boilers without the direct and continuing supervision of a licensed high-pressure boiler operating engineer where all the conditions in the exceptions are met.

II. CLARIFICATION

AC 28-413.1 states:

§28-413.1 High-pressure boiler operating engineer license required. It shall be unlawful to operate any high-pressure boiler for any purpose whatsoever, in the city of New York or in connection with any vessel on the waters in and around the city not subject to the jurisdiction of the United States, unless such boiler is operated by or under the direct and continuing supervision and in the presence of a person having a high-pressure boiler operating engineer license under the provisions of this article.

EXCEPTIONS: A licensed high-pressure boiler operating engineer is not required to operate a high-pressure boiler that meets all of the following conditions:

- 1. the boiler is a stand-alone boiler;*
- 2. if the boiler is a steam boiler, the boiler has less than 100 square feet (9.3 m²) of heating surface;*
- 3. if the boiler is a steam boiler, it is capable of generating less than 1750 pounds (794 kg) per hour of steam; or if the boiler is a hot water boiler, it is capable of generating less than 2 million btu/h of hot water;*
- 4. the boiler has a safety relief valve setting of 200 psig (1379 kPa) or less;*
- 5. the boiler room enclosure is in compliance with Section 508 of the New York City Building Code; and*
- 6. there is a carbon monoxide detector in the boiler room.*

For the purpose of this Bulletin, a stand-alone boiler shall mean a boiler that is designed and intended to independently perform all functions necessary to serve an entire mechanical system without connections to other boilers, including such a boiler with interconnected pressure vessels that share all components, including, but not limited to, flues, relief valves, and distributions, though not necessarily fuel supplies.

Where multiple stand-alone high-pressure boilers serve a single mechanical system, or otherwise separate mechanical systems that share any component, *EXCEPTION 2* shall be interpreted to mean that the aggregate area of the heating surfaces of all such high-pressure steam boilers shall be less than 100 square feet; and *EXCEPTION 3* shall be interpreted to mean that the aggregate capacity of all such high-pressure boilers shall be less than 1750 lbs/hr of steam for steam boilers or less than 2 million btu/hr of hot water for hot water boilers. Provided such high-pressure boilers meet all the other conditions of the exception to AC 28-413.1, operation under the direct and continuing supervision and in the presence of a High-Pressure Boiler Operating Engineer is not required.