

ARTICLE 45-12

NORTH DAKOTA BOILER RULES

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CHAPTER 45-12-01 DEFINITIONS

Section	
45-12-01-01	Definitions

45-12-01-01. Definitions. As used in this article:

1. "Alteration" means a structural modification of or a departure from an original or existing construction.
2. "Apartments" means all multiple dwellings, including condominiums.
3. "Approved" means approved by the commissioner.
4. "A.S.M.E. code" means the boiler and pressure vessel construction code of the American society of mechanical engineers of which sections I, II, IV, V, VIII (divisions 1 and 3), IX, and X, 2007 edition and section VIII, (division 2), 2004 edition, are hereby adopted by the commissioner and incorporated by reference as a part of this article. A copy of the American society of mechanical engineers code is on file at the office of the boiler inspection program. The American society of mechanical engineers code may be obtained from the American society of mechanical engineers headquarters at 3 park avenue, New York, New York 10016-5990.
5. "Boiler" means a closed vessel in which water is heated, steam is generated, steam is superheated, or any combination thereof, under pressure or vacuum for use externally to itself by the direct application of heat from the combustion of fuels or from electricity or nuclear

energy. The term boiler includes fired units for heating or vaporizing liquids other than water when these units are separate from processing systems and are complete within themselves, as provided under North Dakota Century Code section 26.1-22.1-01.

6. "Certificate inspection" means an inspection, the report of which is used by the chief boiler inspector to decide whether a certificate may be issued under North Dakota Century Code section 26.1-22.1-10.
7. "Certificate of competency" means a certificate issued by a jurisdiction indicating that a person has passed an examination prescribed by the national board of boiler and pressure vessel inspectors.
8. "Chief inspector" means the chief boiler inspector appointed by the commissioner to serve in the capacity as stated by law.
9. "Commissioner" means the insurance commissioner of North Dakota.
10. "Condemned boiler" means a boiler that has been inspected and declared unsafe or disqualified by legal requirements by an inspector qualified to take such action who has applied a stamping or marking designating its rejection.
11. "Deputy inspector" means a boiler inspector or inspectors employed by the commissioner to assist the chief inspector in making inspections of boilers.
12. "Existing installations" includes any boiler constructed, installed, or placed in operation before July 1, 1973.
13. "External inspection" means an inspection made when a boiler is in operation.
14. "Fusion welding" means a process of welding metals in a molten or molten and vaporous state, without the application of mechanical pressure or blows. Such welding may be accomplished by the oxyacetylene or oxyhydrogen flame or by the electric arc. Thermic welding is also classed as fusion.
15. "High pressure, high temperature water boiler" means a water boiler operating at pressures exceeding one hundred sixty pounds per square inch gauge [1103.17 kilopascals] or temperatures exceeding two hundred fifty degrees Fahrenheit [121.16 degrees Celsius]. For practical purposes it must be deemed the same as a power boiler.
16. "Hot water supply boiler" means a fired boiler used exclusively to supply hot water for purposes other than space heating and includes all service-type and domestic-type water heaters not otherwise exempt by North Dakota Century Code section 26.1-22.1-06.

17. "Inspector" means the chief boiler inspector or any deputy inspector or special inspector.
18. "Internal inspection" means an inspection made when a boiler is shut down and handholes and manholes are opened for inspection of the interior.
19. "Low pressure and heating boiler" means a boiler operated at pressures not exceeding fifteen pounds per square inch gauge [103 kilopascals] for steam or at pressures not exceeding one hundred sixty pounds per square inch gauge [1103.17 kilopascals] and temperatures not exceeding two hundred fifty degrees Fahrenheit [121.1 degrees Celsius] for water.
20. "Major repair" means a repair upon which the strength of a boiler would depend. Major repairs are those that are not of a routine nature as described in the national board inspection code.
21. "Miniature boiler" means any boiler that does not exceed any of the following limits:
 - a. Sixteen-inch [40.64-centimeter] inside diameter of shell.
 - b. Twenty square feet [1.86 square meter] heating surface.
 - c. Five cubic feet [.142 cubic meter] gross volume, exclusive of casing and insulation.
 - d. One hundred pounds per square inch gauge [689.48 kilopascals] maximum allowable working pressure.
22. "National board" means the national board of boiler and pressure vessel inspectors, 1055 crupper avenue, Columbus, Ohio 43229, whose membership is composed of the chief inspectors of government jurisdictions who are charged with the enforcement of the provisions of the American society of mechanical engineers code.
23. "National board inspection code" means the manual for boiler and pressure vessel inspectors supplied by the national board. The national board inspection code, 2004 edition, is hereby adopted by the commissioner and incorporated by reference as a part of this article. Copies of this code may be obtained from the national board at 1055 crupper avenue, Columbus, Ohio 43229.
24. "New boiler installations" includes all boilers constructed, installed, or placed in operation after July 1, 1973.
25. "Nonstandard boiler" means a boiler that does not bear the state stamp, the national board stamping, the American society of mechanical

engineers stamp, or the stamp of any state or political subdivision which has adopted a standard of construction equivalent to that required by this article.

26. "Owner or user" means any person, firm, corporation, state, or political subdivision owning or operating any boiler which is not specifically exempt under North Dakota Century Code section 26.1-22.1-06 within North Dakota.
27. "Power boiler" means a closed vessel in which steam or other vapor (to be used externally to itself) is generated at a pressure of more than fifteen pounds per square inch gauge [103 kilopascals] by the direct application of heat.
28. "Reciprocal commission" means a commission issued by the commissioner to persons who have passed a written examination prescribed by the national board and who hold a national board commission issued by the national board, or to persons who have passed the written examination prescribed by the national board and are employed by an accredited national board owner/user inspection organization.
29. "Reinstalled boiler" means a boiler removed from its original setting and reerected at the same location or erected at a new location without change of ownership.
30. "Reinstalled pressure vessel" means a pressure vessel removed from its original setting and reerected at the same location or erected at a new location without change of ownership.
31. "Repair" is a restoration of any damaged or impaired part to an effective and safe condition.
32. "Secondhand boiler" means a boiler of which both the location and ownership have been changed after primary use.
33. "Secondhand pressure vessel" means a pressure vessel of which both the location and ownership have been changed after primary use.
34. "Service-type or domestic-type water heater" means a fired water heater of either instantaneous or storage type, used for heating or combined heating and storage of hot water to be used exclusively for domestic or sanitary purposes, with temperatures not exceeding two hundred ten degrees Fahrenheit [98.68 degrees Celsius], and a heat input not in excess of two hundred thousand British thermal units [2.11 x 10 to the 8th power joules] per hour, and pressure not to exceed one hundred sixty pounds per square inch [1103.17 kilopascals].

35. "Special inspector" means an inspector regularly employed by an accredited national board authorized inspection agency or an inspector who has passed the national board examination and is employed by an accredited national board owner/user inspection organization.
36. "Standard boiler" means a boiler that bears the stamp of North Dakota or of another state that has adopted a standard of construction equivalent to that required by this article or a boiler that bears the national board stamping or American society of mechanical engineers stamp.
37. "State of North Dakota boiler construction code" is used to designate the accepted reference for construction, installation, operation, and inspection of boilers and will be referred to as this article. Anything not amended or specifically covered in this article must be considered the same as the American society of mechanical engineers code.
38. "Steam traction engines" means boilers on wheels which are used solely for show at state fairs and other exhibitions in which the public is invited to attend.

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